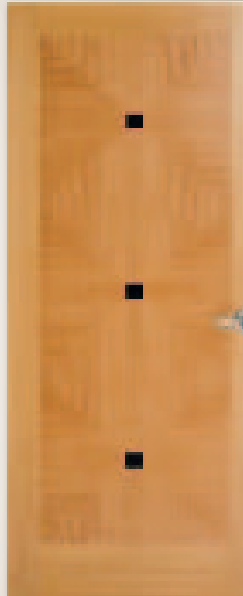
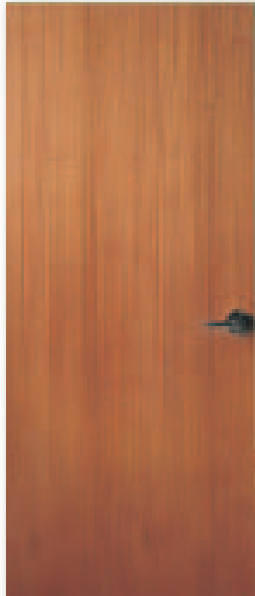
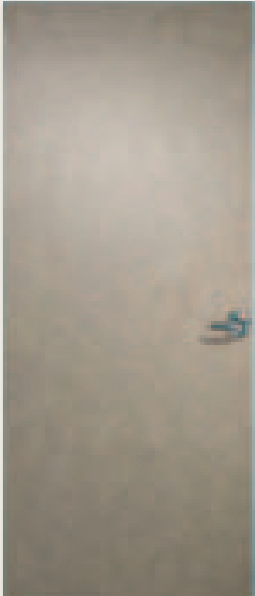
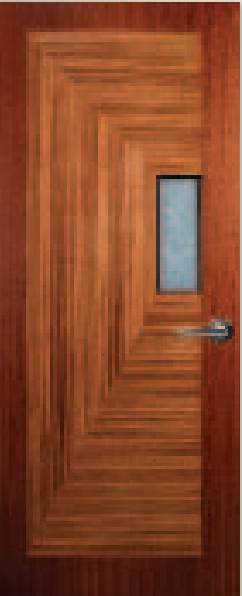
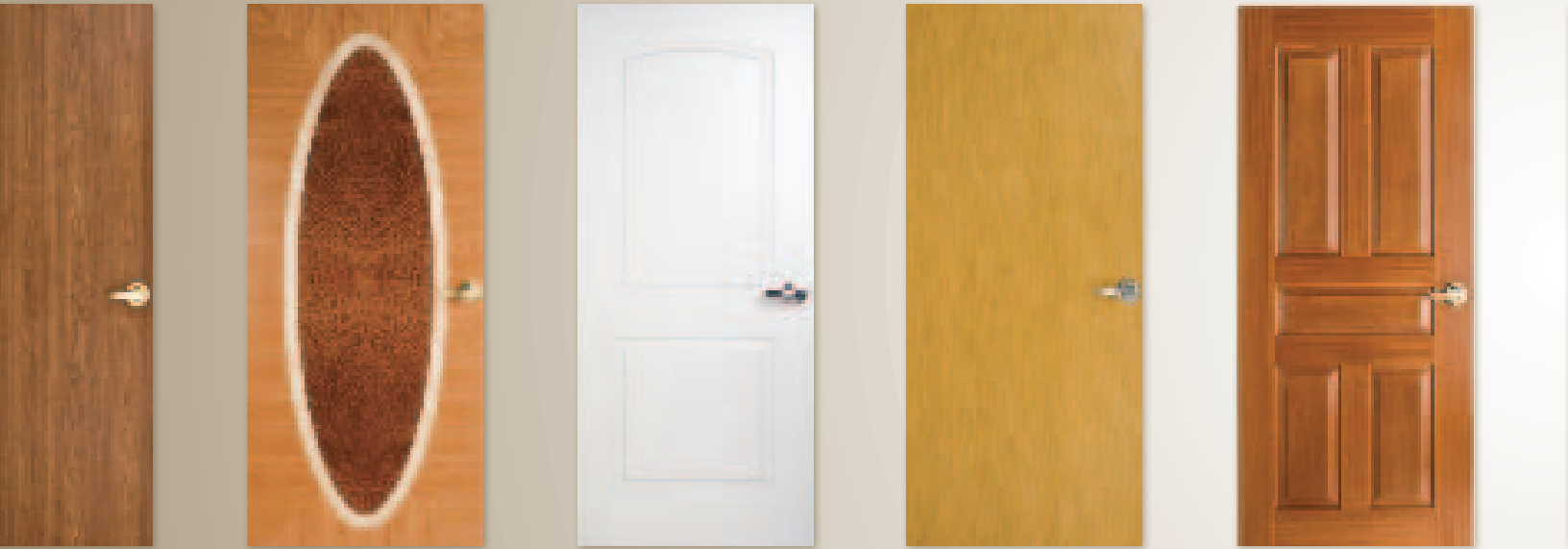
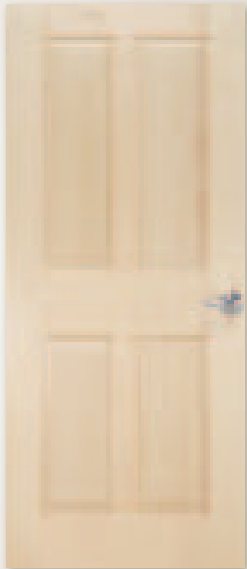


VT ARCHITECTURAL WOOD DOORS | **PRODUCT OFFERING**





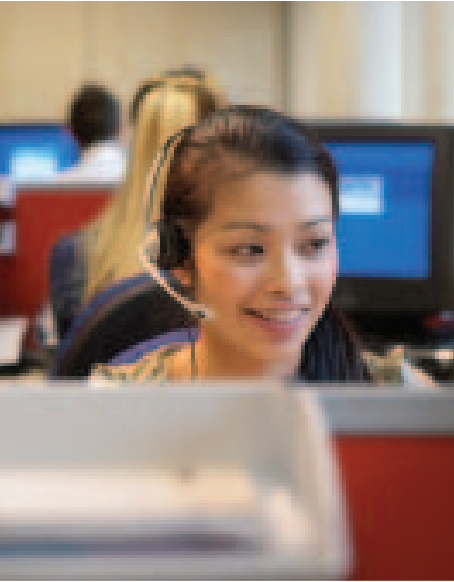
# VT INDUSTRIES



More than 50 years ago in Holstein, Iowa, VT Industries was founded on the principles of craftsmanship, attention to detail and service. Today, those same principles are still the driving force behind everything VT offers, helping us become the industry leader in the manufacturing of architectural wood doors.

Between our Heritage and Artistry Collections, we have a complete line of doors that set the bar for quality, design and environmental friendliness. Add world-class customer service and you have a complete solution for any of your projects' openings. And it's all backed by our nationwide VT CORE Distributor network – providing a local source for all of your door needs, including hardware and installation.

## VT CUSTOMER SERVICE



### MORE THAN 50 YEARS OF WORLD-CLASS CUSTOMER SERVICE.

VT Industries has always put the customer first. Our highly experienced and knowledgeable customer service staff goes above and beyond the industry standard to ensure each order is filled accurately, is delivered on time, and to your exact specifications. But that's just the beginning.

- VT sales and project management personnel are factory trained and provide architectural consultations as part of our customer service standard.
- *VTonline*® estimating and order entry assures accuracy and reduced lead times.
- Our website also provides up-to-date product, technical and specification information.
- Regular communication with customers throughout the process assures complete and on-time delivery.
- Call our architectural hotline at 800.827.1615 ext. 345 for assistance with your architectural wood door needs.



# ENVIRONMENTALLY FRIENDLY DOORS



## OUR COMMITMENT TO THE ENVIRONMENT.

With VT Heritage and Artistry Collections Doors, you don't have to sacrifice beauty to protect the environment. From low-emission adhesives to recycled particleboard cores and water-based stains – VT is committed to producing doors that meet or exceed the most stringent environmental standards. We even take it one step further by using lean manufacturing techniques to minimize waste within highly efficient, environmentally friendly manufacturing facilities.

- Most VT doors are backed by a lifetime warranty - making them the ultimate sustainable door.
- VT flush doors are the only GREENGUARD Indoor Air Quality Certified® and GREENGUARD Children & Schools<sup>SM</sup> Certified architectural wood doors available.
- Every Heritage and Artistry Door is made with recycled/recovered fiber content.
- FSC-certified particleboard cores, stave lumber cores, structural composite lumber (SCL) cores, and wood veneers available.
- Our agrifiber particleboard cores are made with rapidly renewable material recovered from agriculture production.
- VT doors can assist in achieving multiple green building program credits, including Leadership in Energy and Environmental Design (LEED®) and Collaborative for High Performance Schools (CHPS).
- VT architectural wood doors are CARB compliant.
- No added urea-formaldehyde components available upon request.
- LEED Accredited Professionals on staff.

## ENVIRONMENTALLY FRIENDLY CORE MATERIALS

<i>Recycled Content</i>	<i>FSC Certified</i>	<i>Rapidly Renewable</i>
<i>Particleboard Core Agrifiber Core HDF Crossbands</i>	<i>Particleboard Core Stave Lumber Core Structural Composite Lumber Wood Veneer</i>	<i>Agrifiber Core</i>



# SERVICE OFFERINGS & CONTINUING EDUCATION



## VTonline®

From checking specs to quickly ordering more doors, *VTonline* provides customers easy and convenient access to all the information about their doors.

## VTspeedpak™

*VTspeedpak™* makes ordering doors quick and easy. *VTspeedpak* is a specially designed program that you can install on your computer and run whenever you need information on any door order you've ever made. You simply log on, enter the order information and it's automatically synced to your library of orders. Even if you don't have an internet connection, you can key in orders then sync them when internet access is available.



## CONTINUING EDUCATION

At VT Industries, we value the importance of continuing education to stay at the forefront of the industry. That's why we provide a number of online and on-site presentations and classes to help architects further their knowledge. All of our courses help in earning American Institute of Architects (AIA) continuing education learning units. All courses are also registered with the Door and Hardware Institute's continuing education program.

- VTI 103 - Specifying HPDL Architectural Wood Doors
- VTI 202 - Wood Door Construction\*
- VTI 303 - Veneers for Architectural Wood Doors\*
- VTI 406 - Life Safety: Positive Pressure, Balanced Construction and Annual Inspections\*
- VTI 507 - Sustainable Choices in Wood Door Construction\*#
- VTI 606 - Architectural Stile & Rail Wood Door Options\*

\* The courses marked count toward Health, Safety, and Welfare learning units

# The courses marked count toward Sustainable Design credit learning units



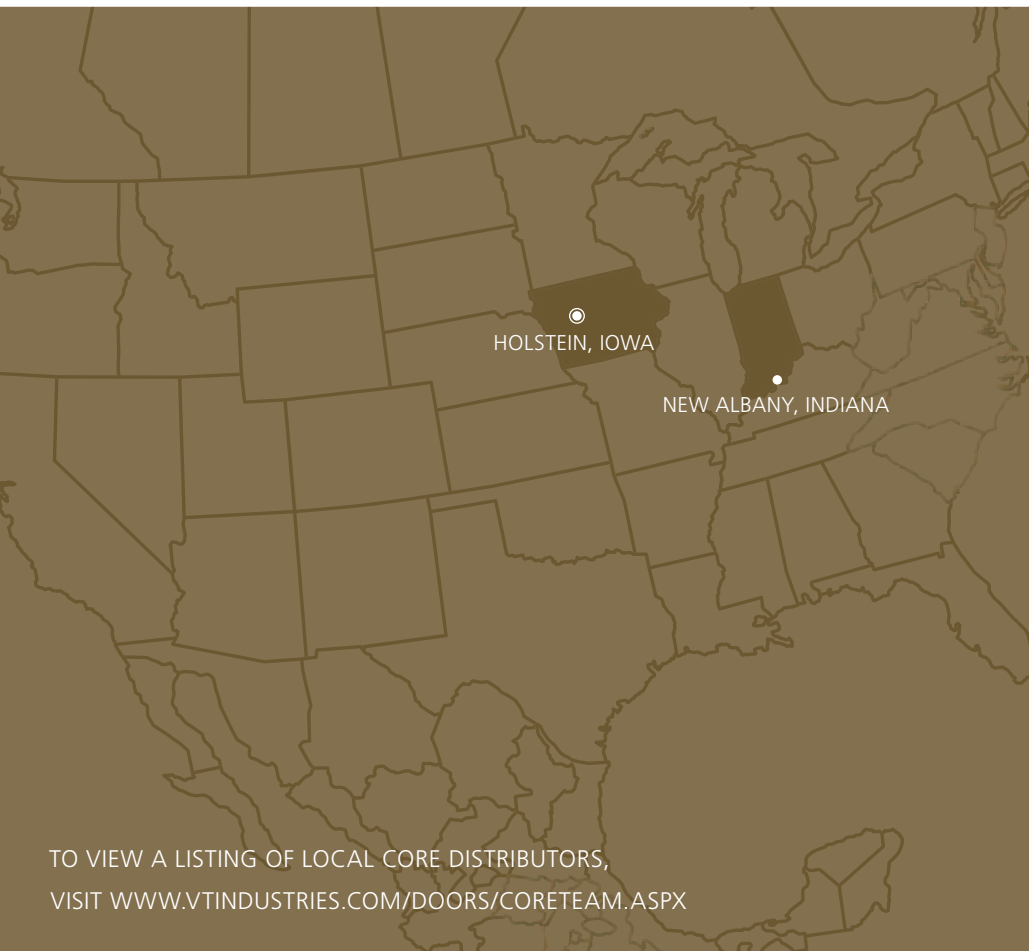
# CORE DISTRIBUTOR PROGRAM



## YOUR LOCAL SOURCE FOR ALL YOUR DOOR NEEDS.

Located in hundreds of cities throughout all 50 states, there's always a VT CORE Distributor near your project, ready to quickly respond to any of your questions or needs. So you get the peace of mind of having expert and timely service for all of your project's door needs. What's more, our distributors combine VT Architectural Wood Doors with commercial grade hardware, hollow metal frames, and other specialty products to create the "total opening" package.

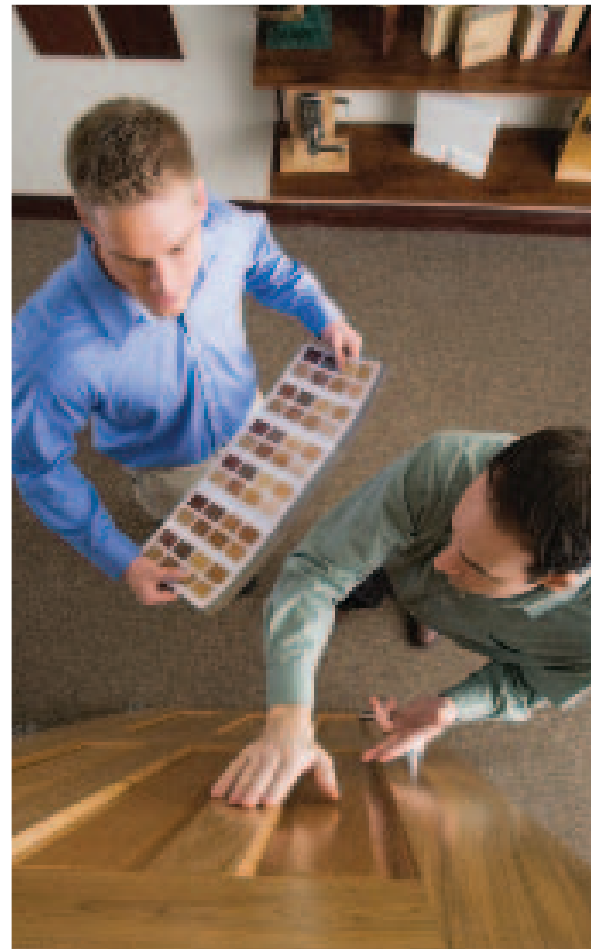
- Combined with our world-class customer service, VT CORE Distributors make sure your doors are delivered on-time and to your exact specifications.
- Every VT CORE Distributor has in-depth knowledge of all VT door products and services.
- The VT CORE Distributor network sets the industry standard for efficiency and customer service.



HOLSTEIN, IOWA

NEW ALBANY, INDIANA

TO VIEW A LISTING OF LOCAL CORE DISTRIBUTORS,  
VISIT [WWW.VTINDUSTRIES.COM/DOORS/CORETEAM.ASPX](http://WWW.VTINDUSTRIES.COM/DOORS/CORETEAM.ASPX)





# HERITAGE

## DOOR COLLECTION

### BEAUTY. QUALITY. VALUE.

VT Heritage Door Collection is a complete line of doors that match quality and beauty with affordability. The value and reputation of this collection has made VT the industry leader in architectural wood doors. From flush wood veneer to stile & rail doors, the Heritage Door Collection is sure to offer a door to fit your project's needs – and budget.

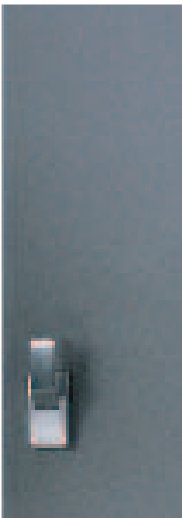
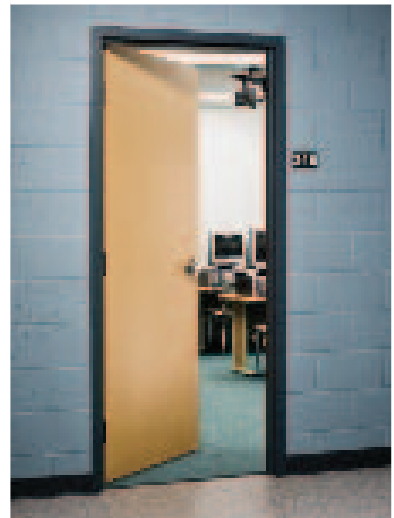
Single-source manufacturing ensures that your doors are consistent throughout your entire project. And these doors provide you an array of other value additions such as pre-drilled pilot holes, factory-sealed top and bottom rails, and double-hot-pressed construction for greater strength and durability.

The Heritage Collection is also backed by industry-leading distribution and customer service. With our commitment to consistent and quick lead times, we ensure that your doors are shipped on time and to your exact specifications.



THE HERITAGE COLLECTION INCLUDES THE FOLLOWING DOORS:

- FLUSH WOOD VENEER
- STILE & RAIL
- HIGH PRESSURE DECORATIVE LAMINATE
- FIBER-REINFORCED LAMINATE
- POWDER COAT
- PROFILED
- FIRE RATED
- LEAD LINED
- ACOUSTICAL



HERITAGE COLLECTION

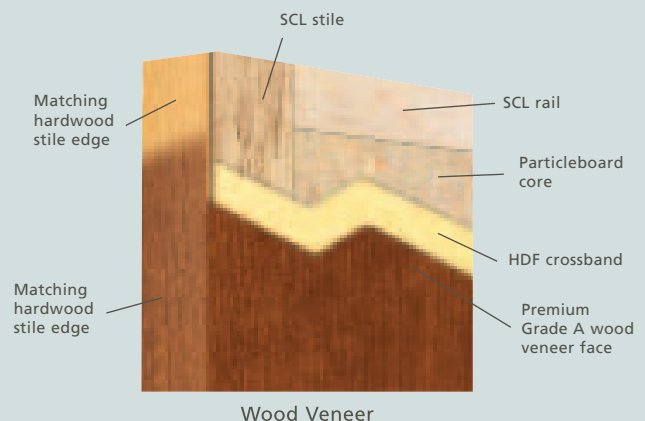
# FLUSH WOOD VENEER DOORS



## NATURAL ELEGANCE. SEAMLESS CONSTRUCTION.

VT wood veneer doors provide a stylish wood appearance with an upscale edge design. Our edge-before-face design provides impressive durability and seamless beauty. And with hundreds of veneer options to choose from, there is a wood veneer door that's perfect for your project.

- 5-ply construction
- Seamless wood appearance
- Matching hardwood edge-before-face design provides impressive durability
- Meets positive-pressure fire ratings: 20-, 45-, 60-, and 90-minute
- Matched hardwood edge at no extra cost
- Withstands the 1 million cycle-slam test (in accordance with WDMA TM-7)
- Popular veneers kept in-stock for faster turnaround times
- Domestic and exotic wood veneer available
- Matching veneer for top and bottom rails available
- Lifetime Warranty
- UV-cured water-based factory finish to meet WDMA TR-6 and AWS System 9. Also available with optional anti-microbial coating.
- WDMA Premium Grade as standard
- Dutch doors
- Wicket doors
- Rabbeted stiles



HERITAGE COLLECTION

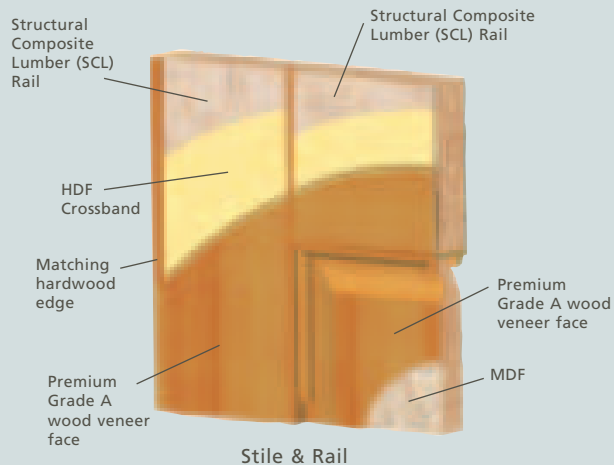
## STILE &amp; RAIL DOORS



## BEAUTY BUILT TO LAST.

Whether you're restoring a historic building or want to add the perfect detail to a new design, you'll find the elegance and beauty you seek in VT Stile and Rail Doors. We offer the highest-quality product, aesthetic compatibility, and design integrity.

- Doors meet WDMA I.S. 6-A Custom Grade quality standards
- Available with 20-, 45-, 60-, and 90-minute fire ratings
- Manufactured with fluted dowel construction for maximum performance
- Raised and flat panel elevations
- Limited five-year warranty for interior use
- Full array of domestic and imported wood options
- State-of-the-art production facility and equipment
- Factory-machined to exacting requirements for hardware, including pre-drilled pilot holes for hinges and face plates
- Matching hardwood edge-before-face design provides impressive durability
- UV-cured water-based factory finish to meet WDMA TR-6 and AWS System 9. Also available with optional anti-microbial coating.



HERITAGE COLLECTION

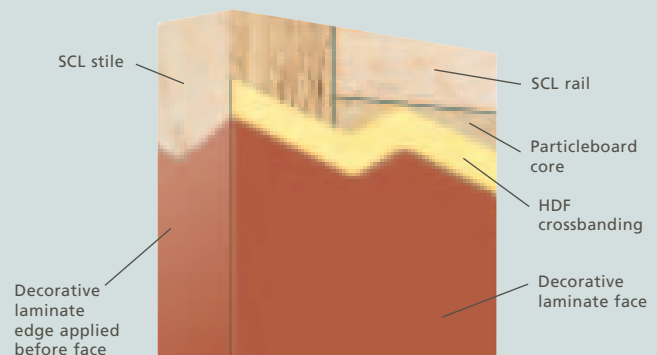
# HIGH PRESSURE DECORATIVE LAMINATE DOORS



## BEAUTY, DURABILITY AND VALUE

That's what you get with VT High Pressure Decorative Laminate (HPDL) doors. With hundreds of laminates to choose from, HPDL doors are a great option for any interior in any application.

- Consistent appearance from opening to opening
- 5-ply and 3-ply construction available
- Edge-before-face construction affords a desirable solid appearance
- Available in any HPDL
- Lifetime warranty
- Available with 20-, 45-, 60-, and 90-minute fire ratings
- Matching laminate for top and bottom rails available
- Popular laminates kept in-stock for faster turnaround times
- Hundreds of colors and patterns to complement any interior
- Custom laminate designs available
- Full array of patterns, solid colors and wood grain laminates



High Pressure  
Decorative Laminate

5-ply construction shown, 3-ply construction available

HERITAGE COLLECTION

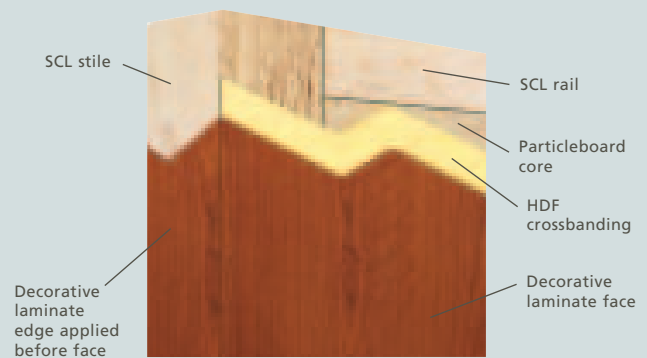
# FIBER REINFORCED LAMINATE DOORS



## HIGH-DESIGN FOR HIGH-IMPACT AREAS

VT Fiber Reinforced Laminate (FRL) line of doors provide added impact, wear, and stain resistance – making them perfect for high-traffic, high-wear areas such as hospitals, schools, and commercial buildings. Available in a variety of Pionite® and Nevamar® colors, patterns and woodgrains, you now have the ability to match all the doors in high-impact and standard applications throughout your project.

- Unmatched durability and impact resistance
- VT FRL doors are available in a variety of Panolam’s Pionite or Nevamar color palettes. To view all colors, visit [panolam.com](http://panolam.com)
- Available with 20-, 40-, and 60-minute fire ratings
- Lifetime warranty
- Easy maintenance
- VT applies the edge before the face of the door – giving it a beautiful, seamless look.
- No removable edge required



Fiber Reinforced Laminate  
5-ply construction

HERITAGE COLLECTION

# POWDER COAT & PROFILED DOORS



## VT POWDER COAT DOORS

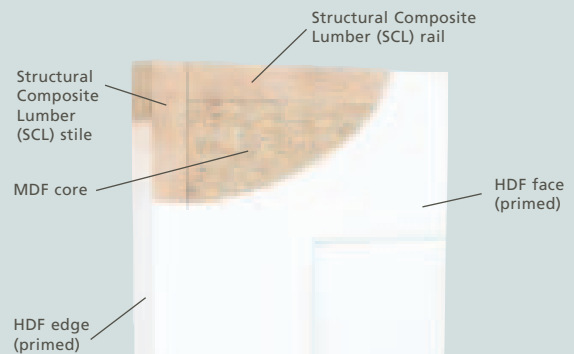
VT Powder Coat Doors are the next level in durability and safety. Independent, third-party testing has shown VT Powder Coat Doors significantly outperform lacquer coated doors in abrasion, impact and stain resistance.

- Micro-texture finish
- Optional anti-microbial coating for healthcare and school applications
- Factory colors include white, off-white, red, blue and black
- Custom colors are available upon request
- Inherently low in volatile organic compounds (VOCs)
- Powder coat finish available on flush and profiled doors
- 20-, 45-, 60-, 90-minute fire ratings available for flush doors and 20-minute fire ratings available for profiled doors

## VT PROFILED DOORS

Achieve a beautiful aesthetic at an affordable price. VT profiled doors provide the appearance of stile & rail at a cost that's friendly to your budget – making these doors perfect for hotels, schools and multi-family housing. VT profiled doors are available with up to a 20-minute fire rating and available in three different routing profiles.

- Nine standard elevations
- MDF core and HDF face
- Doors are primed as standard
- 5-year limited warranty



Profiled Doors

HERITAGE COLLECTION

# FIRE-RATED, LEAD LINED & ACOUSTICAL DOORS



## FIRE-RATED

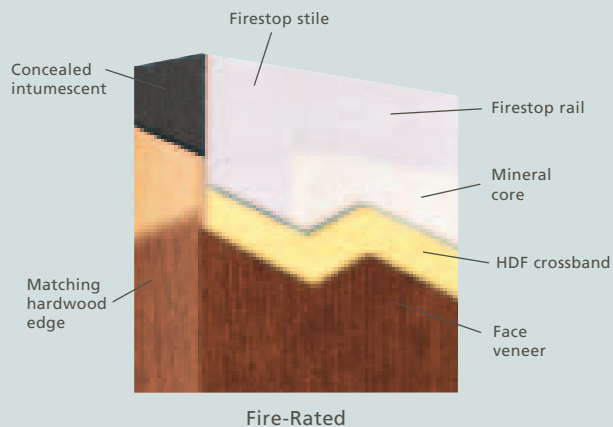
VT fire-rated doors meet or exceed life safety requirements while maintaining the visual integrity of the door without sacrificing your design. VT's concealed intumescent provides you with the same seamless elegance as our non-rated doors. And they're available with ratings up to 90-minutes, including positive pressure fire doors and double egress pairs.

## LEAD LINED

VT Lead-Lined Doors are perfect when your project includes areas where radiation exists. Our lead-lined doors are available with wood veneer or HPDL faces to match all of the other doors in your project. They meet up to a 20-minute fire rating and are available with a lifetime installation warranty.

## ACOUSTICAL FLUSH DOORS

When sound reduction is required, VT acoustical doors are the perfect solution. Available with ratings ranging from STC-30 to STC-52, they're available with either high-pressure decorative laminate or wood veneer faces. All VT Acoustical Doors are tested operable with gasketing.





# ARTISTRY

## DOOR COLLECTION

### CRAFTSMANSHIP AT ITS FINEST.

VT's Artistry Door Collection offers an entire line of hand-crafted doors with unmatched quality and beauty.

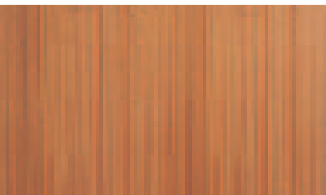
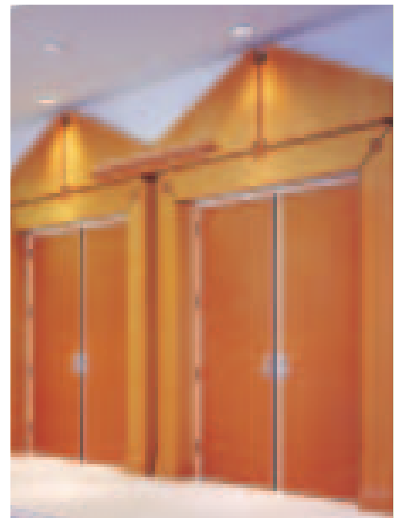
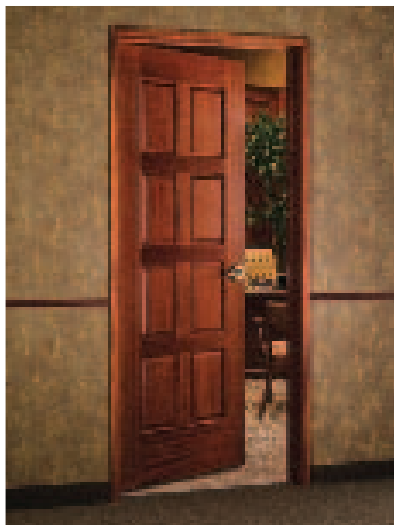
Our experienced and respected artisans pay incredible attention to the smallest details to make sure each door exceeds your aesthetic and design expectations. And it's all backed by one of the finest customer service and distribution programs in the country.

Every door in the Artistry Collection meets a variety of environmental standards and can help you earn LEED credits.



THE ARTISTRY COLLECTION INCLUDES THE FOLLOWING DOORS:

- SPECIALTY VENEER
- CUSTOM
- STILE & RAIL
- LEAD LINED
- OVERSIZED
- FLUSH WOOD VENEER
- FIRE-RATED



ARTISTRY COLLECTION

# SPECIALTY WOOD VENEER, OVERSIZED & CUSTOM



## SPECIALTY WOOD VENEER

Whatever your design calls for, VT's Artistry Collection can make it happen. We have the capability to manufacture high-end, high-quality doors to your exact design needs and specifications. Using high-end or exotic veneers, our skilled craftsmen will provide the perfect specialty veneer door for your project.

## OVERSIZED

Sometimes big ideas call for a bigger door. No problem. With the VT Artistry Collection, we're able to provide doors of many sizes. From thick doors to wide doors, we can provide your project with a hand-crafted door that fits your exact needs. And because it's from VT, you can guarantee the quality and service will be unmatched.

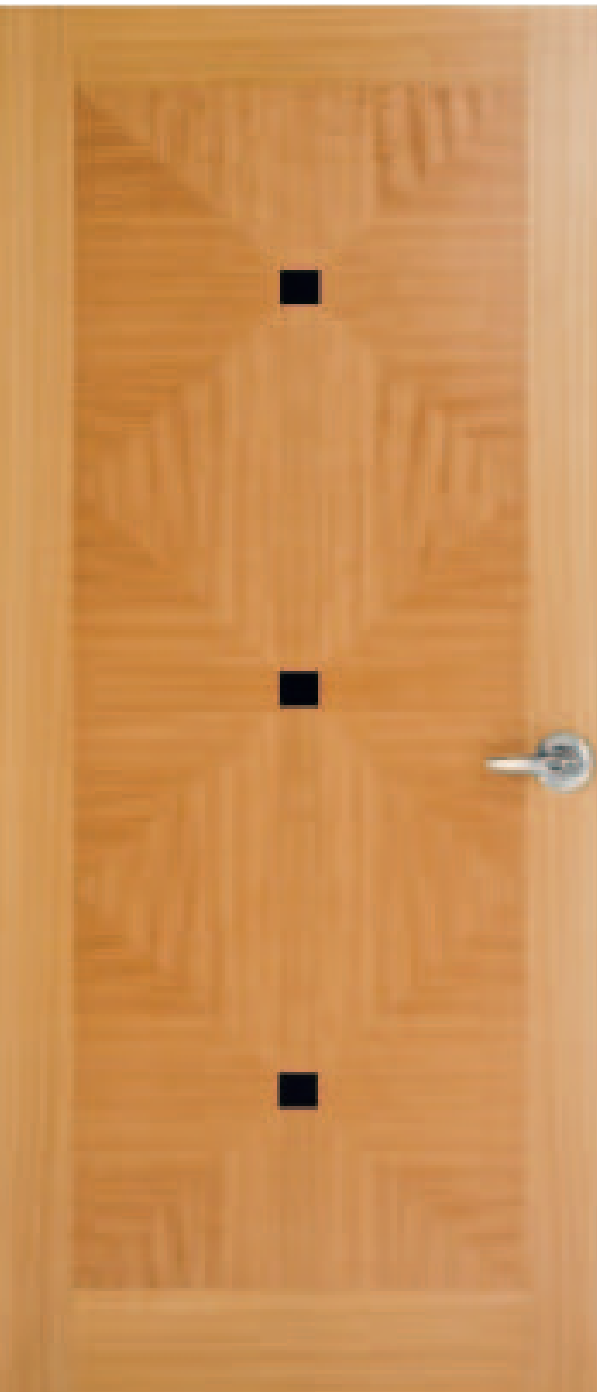
## CUSTOM

You have an image, we have a door. Our skilled craftsmen are experts in hand-crafting unique, customized doors of the highest quality. From specialty veneers to highly detailed inlays, no matter what your vision calls for, VT can provide a door to fit it.



ARTISTRY COLLECTION

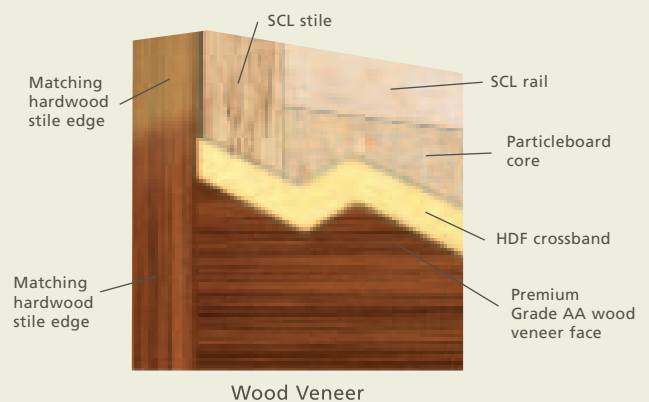
# FLUSH WOOD VENEER DOORS



## PREMIUM AESTHETIC WITH UNMATCHED QUALITY

Our Artistry Wood Veneer Doors provide high-quality construction with high-aesthetic design. They give you a premium wood appearance with extraordinary craftsmanship and attention to detail to give you a wood veneer door of the highest quality.

- 5-ply construction
- Meets positive-pressure fire ratings of 20-, 45-, 60-, and 90-minute.
- Factory-machined to exacting requirements for hardware, including pre-drilled pilot holes for hinges and face plates
- Factory installed wood stops
- Matching hardwood edge at no extra cost
- Withstands the 1 million cycle-slam test (in accordance with WDMA TM-7)
- Domestic and exotic veneers available
- AA Grade veneers are standard
- Meets AWS Premium Grade Standards
- AWS System – 2 pre-catalyzed lacquer finish is standard



## ARTISTRY COLLECTION

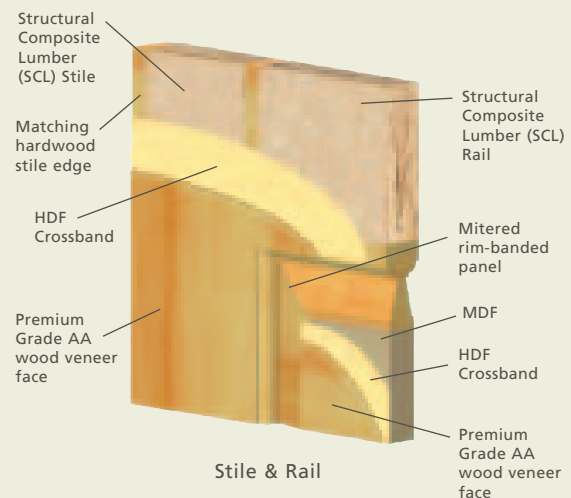
## STILE &amp; RAIL DOORS



## CLASSIC, HAND-CRAFTED BEAUTY

The hand-crafted beauty of our Artistry Stile & Rail doors is unmatched in the industry. Our attention to detail and skilled craftsmanship create the perfect stile & rail doors for your high-end projects. With the Artistry Collection Stile & Rail doors, the design possibilities are practically endless. Choose from our Heritage Collection standard elevations or create a totally unique design by customizing the panel configuration, sticking, and veneer.

- Doors meet AWS Premium Grade quality standards
- Manufactured with a wide variety of sticking options
- Raised and flat panel elevations
- Limited five-year warranty for interior use
- Full array of domestic and imported veneer options
- State-of-the-art production facility and equipment
- Factory-machined to exacting requirements for hardware, including pre-drilled pilot holes for hinges and face plates
- AWS System – 2 pre-catalyzed lacquer finish is standard
- Manufactured with fluted dowel construction for maximum performance
- Mitered rim-banded panels standard



ARTISTRY COLLECTION

# FIRE-RATED & LEAD LINED

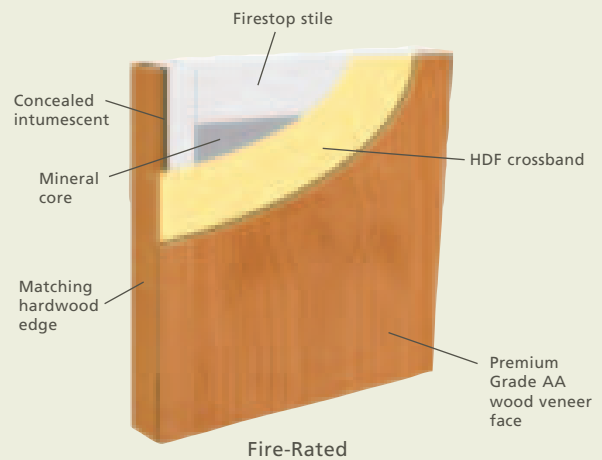


## FIRE-RATED

Ranging from 20-minute ratings to 90-minute ratings, whatever level of fire safety your project calls for, we have a beautiful, hand-crafted door to match it.

## LEAD LINED

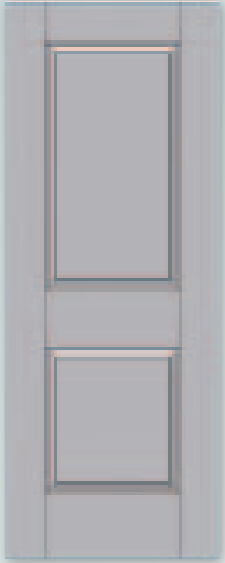
Our lead-lined doors provide radiation protection without sacrificing the integrity of your project's design. Our Artistry Collection lead-lined doors are perfect for healthcare applications that call for premium, high-end craftsmanship and aesthetics.



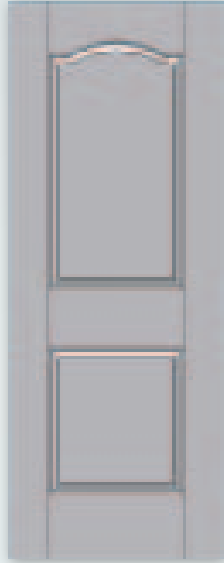
HERITAGE COLLECTION

# STILE & RAIL DOOR STANDARD ELEVATIONS

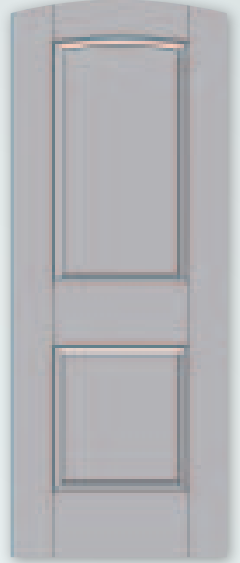
## ELEVATION DESIGN OPTIONS



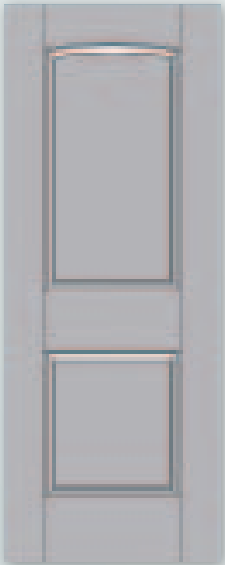
**SS** Square Door Top  
Square Top Panel



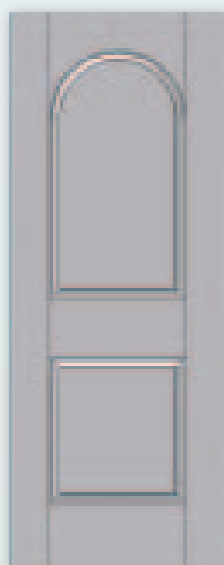
**SC** Square Door Top  
Colonial Top Panel



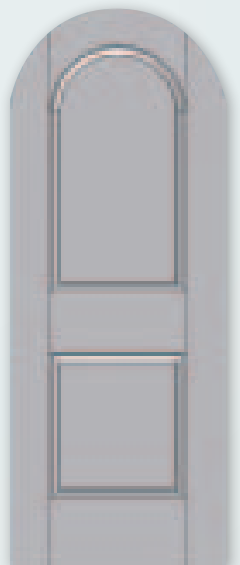
**AA** Arch Door Top  
Arch Top Panel



**SA** Square Door Top  
Arch Top Panel



**SR** Square Door Top  
Radius Top Panel

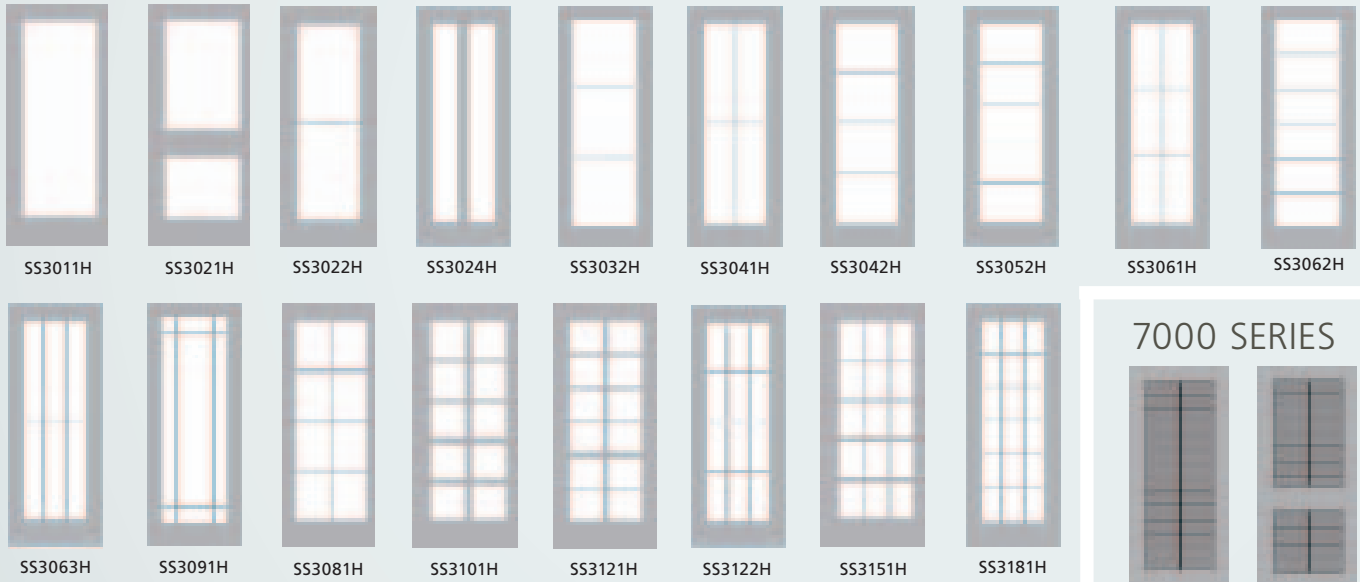


**RR** Radius Door Top  
Radius Top Panel

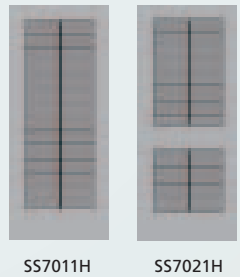
### 1000 SERIES



### 3000 SERIES



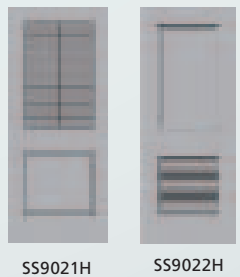
### 7000 SERIES



### 5000 SERIES

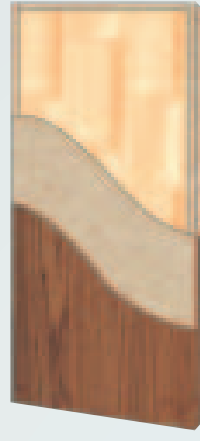
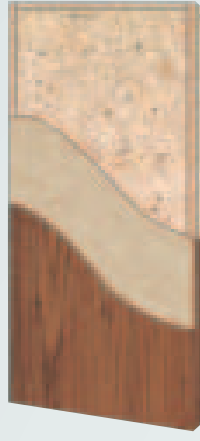


### 9000 SERIES



# HERITAGE






DOOR COLLECTION



DOOR CONSTRUCTION <sup>1,2</sup>	Non-Crossbanded Particleboard Core	Crossbanded Particleboard Core	Crossbanded Stave Lumber Core	Crossbanded Structural Composite Lumber Core
THICKNESS	1-3/4", 1-3/8"	1-3/8", 1-3/4", 2-1/4"	1-3/4"	1-3/4"
CORE <sup>3</sup>	Particleboard complying with ANSI A208.1, Grade 1-LD-2	Particleboard complying with ANSI A208.1, Grade 1-LD-2	Kiln-dried wood blocks, edges glued	Structural Composite Lumber (SCL)
AVAILABLE RATINGS	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>
NEUTRAL PRESSURE FIRE RATINGS	20-Minute Fire Door <sup>6,16</sup>	20-Minute Fire Door <sup>16</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup> 45-Minute Fire Door <sup>10†</sup>
RAILS <sup>4</sup>	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
STILES	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL
POSITIVE PRESSURE FIRE RATINGS	20-Minute Fire Door <sup>6,16</sup>	20-Minute Fire Door <sup>6,16</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup> 45-Minute Fire Door <sup>10</sup>
RAILS <sup>4,10</sup>	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
STILES <sup>10</sup>	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL
5-PLY WOOD VENEER MODELS	N/A	5502H [PC-5] <sup>7,13,14,15</sup> 5P02H [PC-5] <sup>7,10,14</sup>	5507H [SLC-5] <sup>7,13,14,15</sup> 5P07H [SLC-5] <sup>7,10,14</sup>	5508H [SCLC-5] <sup>7,13,14,15</sup> 5P08H [SCLC-5] <sup>7,10,14</sup>
FACES	N/A	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO
CROSSBANDS	N/A	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)
STILE TREATMENT	N/A	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge
HIGH PRESSURE DECORATIVE LAMINATE MODELS	303H [PC-HPDL-3] <sup>7,8,13,14,15</sup> 3P03H [PC-HPDL-3] <sup>7,10,14</sup>	404H [PC-HPDL-5] <sup>7,13,14,15</sup> 4P04H [PC-HPDL-5] <sup>7,10,14</sup>	707H [SLC-HPDL-5] <sup>7,13,14,15</sup> 7P07H [SLC-HPDL-5] <sup>7,10,14</sup>	808H [SCL-HPDL-5] <sup>7,13,14,15</sup> 8P08H [SCL-HPDL-5] <sup>7,10,14</sup>
FACES	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)
CROSSBANDS	N/A	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)
STILE TREATMENT <sup>9</sup>	Laminate edges applied prior to faces	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge
LITE CUTOUTS Frames furnished	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup> Max. 864 sq. in. (24" w or 36" h) for 45-min. <sup>13,14</sup>
LOUVER CUTOUTS <sup>6</sup> Louvers available.	All sizes available for non-rated doors.	All sizes available for non-rated doors.	All sizes available for non-rated doors.	All sizes available for non-rated doors.

<sup>1</sup>All VT doors are intended for interior use only. <sup>2</sup>All VT doors meet or exceed WDMA I.S. 1-A and AWI/AWS Section 9 quality standards. <sup>3</sup>All VT stiles and rails are bonded to core, and unit is sanded as monolithic core assembly. <sup>4</sup>All doors are available with larger top and bottom rails and with additional hardware blocking when specified. <sup>5</sup>Highest security rating possible per UBC standard 41-1 and ASTM F-176. <sup>6</sup>No louvers are allowed in 20-minute doors (smoke doors). <sup>7</sup>WDMA Spec Symbols listed in [brackets] beside VT model numbers. <sup>8</sup>.125" decorative laminate available upon request in non-crossbanded particleboard core door.

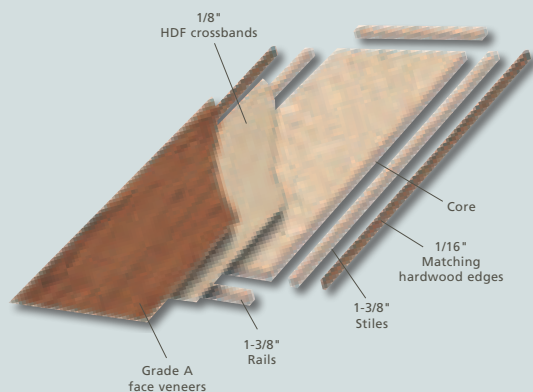


				
Crossbanded Agrifiber Core	Crossbanded Mineral Core	Crossbanded Lead-Lined Core	Crossbanded Composite Sound Core	Profiled
1-3/4"	1-3/4"	1-3/4" with lead to 1/4"	1-3/4"	1-3/8", 1-3/4"
Agrifiber complying with ANSI A208.1, Grade 1-LD-2	Incombustible Mineral Core	Particleboard complying with ANSI A208.1, Grade 1-LD-2, with continuous lead glued to each side of framed core; multi-ply construction	Composite Sound Core, multi-ply construction	Medium Density Fiber (MDF)
Security Rating, Class 40 <sup>5</sup>	N/A	Radiation Shielding	STC 39 or 45 Sound Door	N/A
20-Minute Fire Door <sup>6,10†,16</sup> 45-Minute Fire Door <sup>10†</sup> , 60-Minute Fire Door <sup>10†</sup>	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6,10,13,14,16</sup>
1-3/8" SCL for all 20-minute and 45-minute single fire doors, 1-1/2" GP Firestop at 45-minute pairs and 60-minute singles	1" SCL on 45-min; 1-1/2" GP Firestop on 60-min & 90-min before trimming†	3-3/8" SCL, top and bottom	3-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
1-3/8" SCL for all 20-minute and 45-minute single fire doors, 1-1/2" GP Firestop at 45-minute pairs and 60-minute singles	1" SCL on 45-min; 1-1/2" GP Firestop II on 60-min & 90-min before trimming†	1-3/8" SCL	1-3/8" SCL with hardwood edge - crossbands concealed at edge	1-3/8" SCL with HDF edge
20-Minute Fire Door <sup>6,10,16</sup> 45-Minute Fire Door <sup>10</sup> , 60-Minute Fire Door <sup>10</sup>	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6,10,13,14</sup>
1-3/8" SCL for all 20-minute fire doors, 1-1/2" GP Firestop at 45-minute and 60-minute fire doors	1" SCL on all 45-min & 60-min singles; 1-1/2" GP Firestop on 60-min pairs & all 90-min doors	3-3/8" SCL, top and bottom	3-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
1-3/8" SCL for all 20-min fire doors, 1-1/2" GP Firestop at 45-min and 60-min single fire doors, 3" Firestop meeting stiles for 45-min pairs	1" SCL on all 45-min & 60-min singles; 1-1/2" GP Firestop II on 60-min pairs & all 90-min doors	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL with HDF edge
5509H [PC-5] <sup>7</sup> 5P09H [PC-5] <sup>7,10,13,14</sup>	5545H and 5511H [FD-5] <sup>7,13</sup> 5P45H and 5P11H [FD-5] <sup>7,10,14</sup>	5515H [LL] <sup>7,13,14,15</sup> 5P15H [LL] <sup>7,10,14</sup>	5540H [SR] <sup>7,11,13</sup> , 5550H [SR] <sup>7,11</sup> 5P40H [SR] <sup>7,11,14</sup> , 5P50H [SR] <sup>7,11,14</sup>	N/A
WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	High Density Fiber (HDF); primed
High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	N/A
Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	Stiles have matching hardwood edge - Crossbands concealed at edge	See stile information above.	N/A
909H [PC-HPDL-5] <sup>7</sup> 9P09H [PC-HPDL-5] <sup>7,10,13,14</sup>	1345H and 1111H [FD-HPDL-5] <sup>7,13</sup> 1P45H and 1P11H [FD-HPDL-5] <sup>7,10,14</sup>	1515H [LL-HPDL] <sup>7,13,14,15</sup> 1P15H [LL-HPDL] <sup>7,10,14</sup>	1240H [SR-HPDL] <sup>7,11,13</sup> , 1050H [SR-HPDL] <sup>7,11</sup> 1P40H [SR-HPDL] <sup>7,11,14</sup> , 1P50H [SR-HPDL] <sup>7,11,14</sup>	N/A
.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purpose HPDL .062" Fiber Reinforced Laminate (FRL)	N/A
High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	N/A
Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	Laminate edges applied prior to faces - Crossbands concealed at edge	See stile information above.	N/A
All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	Max. 1296 sq. in. (36" w or 54" h) for 45-min; Max. 100 sq. in. (10" w or 33" h) for 60-min or 90-min <sup>12,13,14</sup>	Max. 256 sq. in. (16" w or 16" h) for 20-min.	Max. 216 sq. in. with STC 39 or 44 rating. Door is furnished factory glazed.	N/A
All sizes available for non-rated doors.	Max. 576 sq. in. (24" w or 24" h)	N/A	N/A	N/A

<sup>9</sup>Decorative laminate doors are also available with unfinished, stained or painted hardwood edges. <sup>10</sup>Intumescent concealed along stile edge and surface applied along top rail. <sup>11</sup>Gasketing and drop seal included. <sup>12</sup>Larger lite sizes available using special materials. <sup>13</sup>Neutral pressure fire rating available. <sup>14</sup>Positive pressure fire rating available. <sup>15</sup>20-min positive pressure restrictions: single door only; for use in hollow metal frame. <sup>16</sup>Doors thinner than 1-3/4" cannot carry a fire label (non-rated only).<sup>†</sup>With Positive Pressure Construction.

Subject to change. Refer to [www.vtindustries.com/doors](http://www.vtindustries.com/doors) for the latest information.

## HERITAGE COLLECTION CONSTRUCTION



5-PLY CONSTRUCTION  
FLUSH WOOD VENEER DOOR



## EXCELLENCE IN CONSTRUCTION

At VT Industries, we pride ourselves on the quality construction of every door that leaves our plant. To complement our high level of craftsmanship we employ the very best in manufacturing technology. All together, our manufacturing process is incredibly efficient and produces very little waste. This means you get premium-quality doors at the most affordable price possible. And to add even more value, each door comes with pre-drilled pilot holes as well as factory-sealed top and bottom rails making them ready to install.

## DOUBLE-HOT-PRESSED TECHNOLOGY

- Meets WDMA I.S. 1-A premium grade quality standards
- Stiles and rails bonded to core with Type I glue for a uniform bond between all components
- Individually double-hot-pressed for maximum strength and durability
- Unit sanded as monolithic core assembly
- Flush wood veneer doors feature 5-ply construction
- High pressure decorative laminate doors available as 5-ply or 3-ply
- Custom grade stile & rail doors provide consistency throughout your project

## CORE MATERIALS

- Particleboard core (1-LD-2)
- Structural Composite Lumber (SCL) core
- Agrifiber core (1-LD-2)
- Stave lumber core
- Mineral core
- Acoustical cores
- Lead-lined core (1/4" maximum)

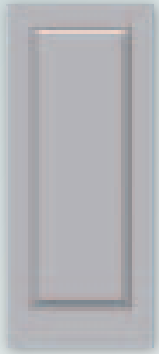
## ADDED VALUE

- Factory machining of pre-drilled pilot holes for hinges and faceplates assures quick, correct installation
- All doors individually poly-bagged to arrive in perfect condition
- Factory-sealed top and bottom rails reduce installation, time and expense
- On-time, reliable delivery on dedicated VT trucks by dedicated VT drivers
- Wood jambs and factory glazing available
- Consistent factory finish

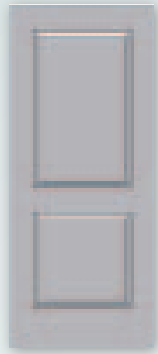
HERITAGE COLLECTION

# PROFILED DOOR ELEVATIONS

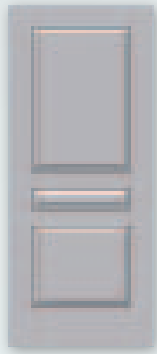
## ELEVATION DESIGN OPTIONS



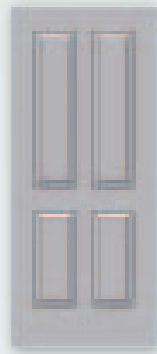
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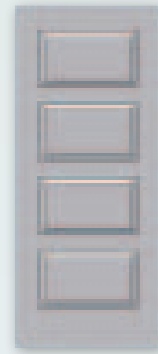
FS1021



FS1031



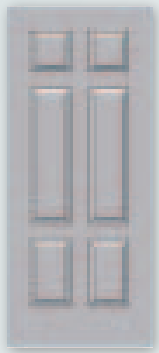
FS1041



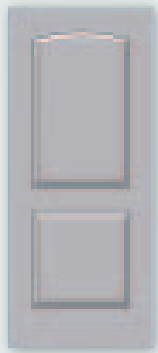
FS1042



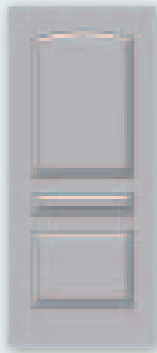
FS1052



FS1062



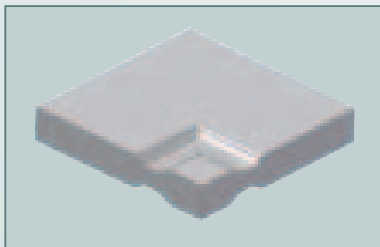
FA1021



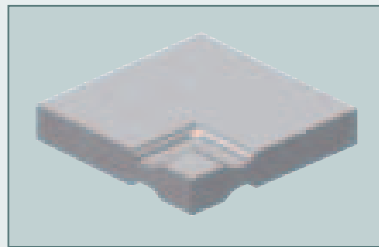
FA1031



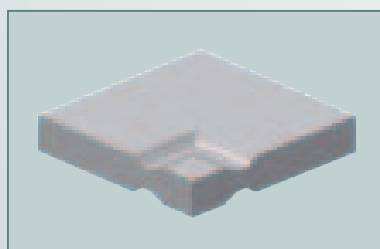
## ROUTING PROFILES



VT 2



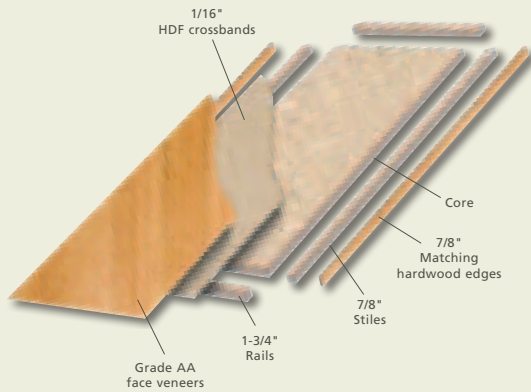
VT 3



VT 4

## ARTISTRY COLLECTION

## CONSTRUCTION



5-PLY CONSTRUCTION  
FLUSH WOOD VENEER DOOR



## EXCELLENCE IN CONSTRUCTION

At VT Industries, our craftsmanship and quality are second to none. The Artistry Collection is manufactured to achieve the ultimate in performance and design. We are constantly evaluating our processes which incorporate state-of-the-art automated technology with old-world handcrafted techniques to create manufacturing efficiency and consistency. This practice allows us to deliver architectural wood doors of the highest quality standards to your project on time and to your exact specification.

## DOUBLE-HOT-PRESS TECHNOLOGY





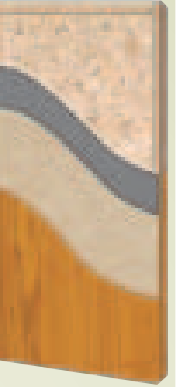
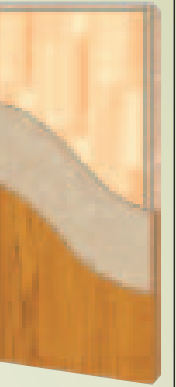
- Meets AWS premium grade quality standards
- Stiles and rails bonded to core with Type I glue for a uniform bond between all components
- Individually double-hot-pressed for maximum strength and durability
- Unit sanded as monolithic core assembly
- Flush wood veneer doors feature 5-ply construction
- Premium grade stile & rail doors provide consistency throughout your project

## CORE MATERIALS

- Particleboard core (1-LD-2)
- Agrifiber core (1-LD-2)
- Stave lumber core
- Structural composite lumber
- Mineral core
- Acoustical cores
- Lead-lined core (1/4" maximum)

## ADDED VALUE

- Factory machining of pre-drilled pilot holes for hinges and faceplates assures quick, correct installation
- Factory-sealed top and bottom rails reduce installation time and expense
- On-time, reliable delivery on dedicated VT trucks by dedicated VT drivers
- Wood jambs and factory glazing available
- Consistent factory finish

ARTISTRY DOOR COLLECTION							
VT INDUSTRIES							
DOOR CONSTRUCTION <sup>1,2</sup>		Crossbanded Particleboard Core	Crossbanded Agrifiber Core	Crossbanded Structural Composite Lumber Core	Crossbanded Mineral Core	Crossbanded Lead-Lined Door	Crossbanded Stave Lumber Core Door
THICKNESS		1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4" with 1/32"; 1/16"; 1/8"	1-3/4"
CORE <sup>3</sup>		Particleboard complying with ANSI A208.1, 1-LD-2	Agrifiber complying with ANSI A208.1, 1-LD-2	Structural Composite Lumber (SCL)	Incombustible Mineral Core	Structural Composite Lumber (SCL)	Kiln-dried wood blocks, edge glued
AVAILABLE RATINGS		Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>	N/A	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>
NEUTRAL PRESSURE FIRE RATINGS		20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6,7,11</sup> , 45-Minute Fire Door <sup>7†</sup> , 60-Minute Fire Door <sup>7†</sup>	20-Minute Fire Door <sup>6</sup>	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>
POSITIVE PRESSURE FIRE RATINGS		20-Minute Fire Door <sup>6,11</sup>	20-Minute Fire Door <sup>6,7,11</sup> , 45-Minute Fire Door <sup>7†</sup> , 60-Minute Fire Door <sup>7†</sup>	20-Minute Fire Door <sup>6</sup>	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>
RAILS <sup>4</sup>		1-3/4" SCL, top and bottom	1-3/8" SCL for all 20-minute fire doors, 1-1/2" GP Firestop at 45- & 60-minute fire doors	1-3/4" SCL, top and bottom	1" SCL on 45-minute; 1-1/2" GP Firestop on 60- and 90-minute before trimming	1-3/4" SCL, top and bottom	1-3/4" SCL, top and bottom
STILES		7/8" SCL	1-3/8" SCL for all 20-minute fire doors, 1-1/2" GP Firestop at 45- & 60-minute single fire doors, 3" GP Firestop meeting stiles for 45-minute pairs	7/8" SCL	1" SCL on 45-minute; 1-1/2" GP Firestop II on 60- and 90-minute before trimming	7/8" SCL	7/8" SCL
5-PLY WOOD VENEER MODELS		5502A [PC-5] <sup>9,10,11,12</sup> 5P02A [PC-5] <sup>7,10,12</sup>	5509A [PC-5] <sup>12</sup> 5P09A [PC-5] <sup>9,10,12</sup>	5508A [SCLC-5] <sup>9,10,11,12</sup> 5P08A [SCLC-5] <sup>7,10,12</sup>	5511A and 5545A[FD-5] <sup>9,12</sup> 5P11A[FD-5] 5P45A[FD-5] <sup>7,10,12</sup>	5515A [LL] <sup>9,10,11,12</sup> 5P15A [LL] <sup>7,10,12</sup>	5507A [SCL-5] <sup>9,10,11,12</sup> 5P07A [SCL-5] <sup>7,10,12</sup>
FACES		AA grade wood veneer, cut and species of choice, or MDO	AA grade wood veneer, cut and species of choice, or MDO	AA grade wood veneer, cut and species of choice, or MDO	AA grade wood veneer, cut and species of choice, or MDO	AA grade wood veneer, cut and species of choice, or MDO	AA grade wood veneer, cut and species of choice, or MDO
CROSSBANDS		1/16" HDF	1/16" HDF	1/16" HDF	1/16" HDF	1/16" HDF	1/16" HDF
STILE TREATMENT		Stiles have matching 7/8" hardwood edge - Crossbands show at edge	Stiles have matching 7/8" hardwood edge - Crossbands show at edge	Stiles have matching 7/8" hardwood edge - Crossbands show at edge	Stiles have matching 1/2" hardwood edge - Crossbands show at edge	Stiles have matching 7/8" hardwood edge - Crossbands show at edge	Stiles have matching 7/8" hardwood edge - Crossbands show at edge
HIGH PRESSURE DECORATIVE LAMINATE		404A [PC-HPDL-5] <sup>9,10,11,12</sup> 4P04A [PC-HPDL-5] <sup>7,10,12</sup>	909A [PC-HPDL-5] <sup>12</sup> 9P09A [PC-HPDL-5] <sup>7,9,10,12</sup>	808A [SCLC-HPDL-5] <sup>9,10,11,12</sup> 8P08A [SCLC-HPDL-5] <sup>7,10,12</sup>	1111A and 1345A [FD-HPDL-5] <sup>9,12</sup> 1P11A and 1P45A[FD-HPDL-5] <sup>7,10,12</sup>	1515A [LL-HPDL-5] <sup>9,10,11,12</sup> 1P15A [LL-HPDL-5] <sup>7,10,12</sup>	707A [SCL-HPDL-5] <sup>9,10,11,12</sup> 7P07A [SCL-HPDL-5] <sup>7,10,12</sup>
FACES		.050" (1.3 mm) general purposed HPDL; .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purposed HPDL; .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purposed HPDL; .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purposed HPDL; .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purposed HPDL; .062" Fiber Reinforced Laminate (FRL)	.050" (1.3 mm) general purposed HPDL; .062" Fiber Reinforced Laminate (FRL)
CROSSBANDS		1/16" HDF	1/16" HDF	1/16" HDF	1/16" HDF	1/16" HDF	1/16" HDF
STILE TREATMENT		Edge after face	Edge after face	Edge after face	Edge after face	Edge after face	Edge after face
LITE CUTOUTS Frames furnished		Light openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Light openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Light openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Max. 1296 sq. in. (36" w or 54" h) for 45-min; Max. 100 sq. in. (10" w or 33" h) for 60-min or 90-min <sup>8,9,10</sup>	Light openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Light openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.
LOUVER CUTOUTS Louvers available		Louver openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Louver openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Louver openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Max. 576 sq. in. (24" w or 24" h)	Louver openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.	Louver openings not to exceed 40% of door area or 50% of door height. 5" minimum between cutouts and door edge.

<sup>1</sup>All VT doors are intended for interior use only. <sup>2</sup>All VT doors meet or exceed WDMA I.S. 1-A and AWW/AWS Section 9 quality standards. <sup>3</sup>All VT stiles and rails are bonded to core, and unit is sanded as monolithic core. <sup>4</sup>All doors are available with larger top and bottom rails and with additional hardware blocking when specified. <sup>5</sup>Highest security rating possible per UBC standard 41-1 and ASTM F-176. <sup>6</sup>No louvers are allowed in 20-minute doors (smoke doors). <sup>7</sup>Intumescent concealed along stile edge and surface applied along top rail. <sup>8</sup>Larger lite sizes available using special materials. <sup>9</sup>Neutral pressure fire rating available. <sup>10</sup>Positive pressure fire rating available. <sup>11</sup>Doors thinner than 1-3/4" cannot carry a fire label (non-rated only). <sup>12</sup>WDMA/AWW/AWS Spec Symbols listed in [brackets] beside VT model numbers. <sup>13</sup>With Positive Pressure Construction.



ARTISTRY COLLECTION

# CUSTOM DOOR OPTIONS



You have an image. We have a door. Our skilled craftsmen are experts in hand-crafting unique, customized doors of the highest quality. From oversized doors to specialty veneers to highly detailed inlays, no matter what your vision calls for, VT can provide a door to fit it.

## THICK / OVERSIZED

Sometimes big ideas call for a bigger door. No problem. With the VT Artistry Collection, we're able to provide doors of all sizes. From thick doors to wide doors, we can provide your project with a hand-crafted door that fits your exact needs. VT can produce high-quality custom doors up to 6-feet wide and 12-feet tall with a thickness up to 3.375 inches.

## SKETCH FACES

A sketch face is a single ply veneer, cut and designed in patterns of varying intricacy to meet specifications of mechanical assembly in the grain - or character appearances of veneer used for each segment.

## LASER MARQUETRY

The artisans at VT Industries utilize old-world marquetry techniques as well as the latest laser-cutting technology to produce superior inlays for VT's Artistry Collection of architectural wood doors. The veneer is cut by a highly precise laser, ensuring accuracy of design. Then the artisans lay up the design by hand, utilizing their superior marquetry skills to create beautiful and original pieces of art for your door.

## SPECIALTY VENEERS

Whatever your design calls for, VT's Artistry Collection can make it happen. We offer a wide variety of high-end and exotic wood veneers that are in-stock or easily available – providing you with quicker manufacturing and lead times. So you get unique, high-quality doors delivered when you need them.

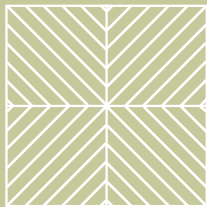
## BLUEPRINT-MATCHED DOORS AND PANELS

There's nothing more impressive and beautiful than when all your veneers match perfectly. With VT's blueprint-matched doors and panels, you get maximum continuity within your space.

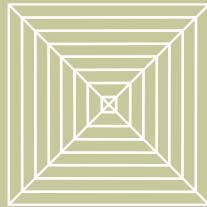
# SKETCH FACE PATTERNS



DIAMOND



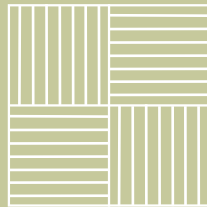
REVERSE DIAMOND



BOX



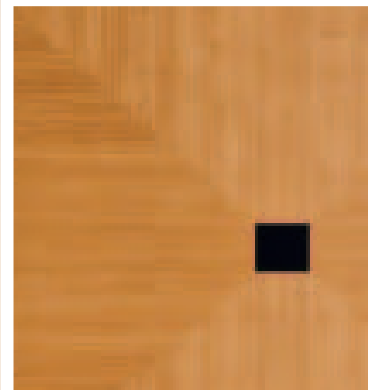
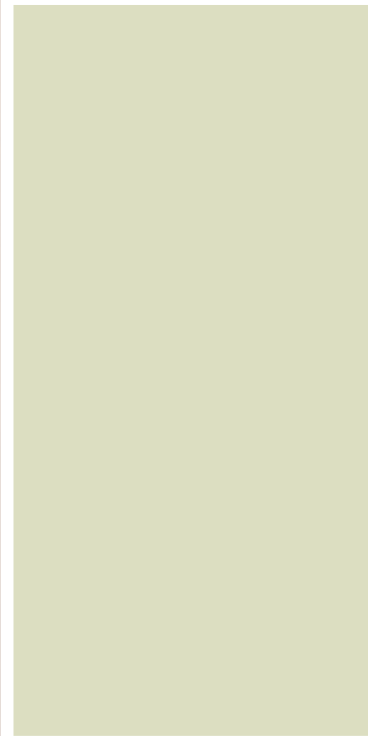
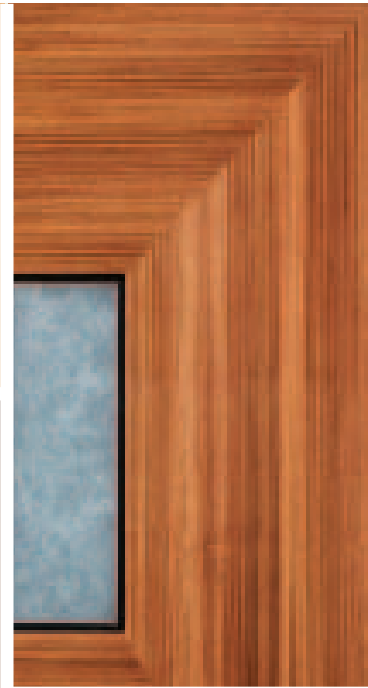
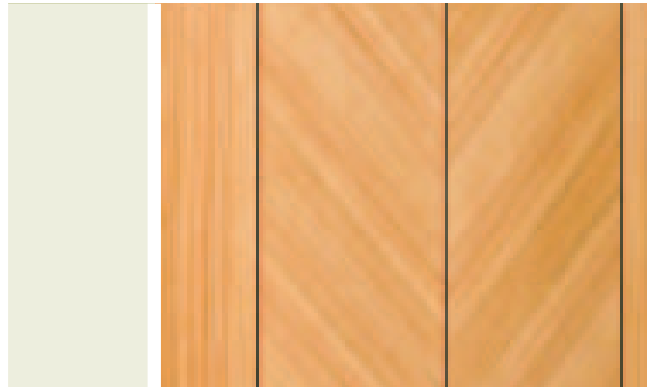
REVERSE BOX



PARQUET



HERRINGBONE



1000 INDUSTRIAL PARK  
P.O. BOX 490  
HOLSTEIN, IA 51025  
P 800.827.1615 EXT. 564  
F 712.368.4163

DOOR\_INFO@VTINDUSTRIES.COM  
WWW.VTINDUSTRIES.COM/DOORS







ARCHITECTURAL WOOD  
**DOORS**

PRODUCT OFFERING



# VT INDUSTRIES

VT Industries designs and crafts the finest flush wood veneer, stile & rail, profiled and high pressure decorative laminate (HPDL) doors available for commercial interiors. As an industry leader, we understand that superior products must be coupled with impeccable customer service. That's why your needs are always our foremost concern. You can be confident we will answer your questions, address your concerns and deliver your product on time and to your exact specifications. You're our number one priority. That's the VT difference.

*Doors featured on cover (left to right): SS1021 Mahogany Stile & Rail Door; Quarter Sliced Figured Sapele, Clear Finish; FS1031 Profiled Door; Laminate Flush Door with Wilsonart® 4766-60 Brushmore Mineral*

*Doors featured above (left to right): Plain Sliced Cherry, Clear Finish and SS1041 Plain Sliced White Maple Stile & Rail Door, Clear Finish*

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**VT CUSTOMER**

# SERVICE

## **CUSTOMER SATISFACTION IS OUR FINEST PRODUCT.**

- VT sales and project management personnel are factory trained and provide architectural consultations as part of our customer service standard.
- V*Online*® estimating and order entry assures accuracy and reduced lead times.
- Expanded Web site at [www.vtindustries.com/doors](http://www.vtindustries.com/doors) affords architects with up-to-date product, technical and specification information.
- Regular communication with customers throughout the process assures complete and on-time delivery.
- We work to meet customized service requirements, including special sorting instructions, multiple shipments and more.
- AIA/CES training modules provide architects with the most current door construction methods, building codes and life safety information.
- Call our architectural hotline at 800.827.1615 ext. 345 for assistance with your wood door needs.



# ENVIRONMENTALLY FRIENDLY

# DOORS

## OUR COMMITMENT TO THE ENVIRONMENT.

- All of VT's particleboard core flush wood doors can be made of recycled/recovered fiber content in order to considerably reduce the environmental impact.
- VT's stave lumber core (SLC) flush wood doors can be made with FSC certified material.
- VT's agrifiber core flush wood doors are made of rapidly renewable content in order to considerably reduce the environmental impact.
- Our products can assist in achieving environmental credits, including LEED® points and SPiRiT.
- VT high pressure decorative laminate (HPDL) and 5-ply wood veneer doors are listed on the GREENGUARD Product Guide™ for low-emitting products.
- VT stile & rail doors can also assist with achieving LEED points.

Environmentally friendly core



<i>Recycled Content</i>	<i>FSC Certified</i>	<i>Rapidly Renewable</i>
<i>Particle Core</i>	<i>Stave Core</i>	<i>Agrifiber Core</i>
<i>6 points*</i>	<i>4 points*</i>	<i>6 points*</i>

*\* Potential assistance based on LEED NC 2.2.*

With VT flush wood and stile & rail doors, you don't have to sacrifice beauty to protect the environment. VT Doors are manufactured in a highly efficient, environmentally friendly facility. VT Industries architectural wood doors are the only GREENGUARD™ Indoor Air Quality Certified® and GREENGUARD Children & Schools™ Certified doors available. They are also available with FSC certified cores and are listed on GreenSpec®.



Plain Sliced Red Oak, Clear Finish

## FLUSH WOOD VENEER

# DOORS

### NATURAL ELEGANCE. SEAMLESS CONSTRUCTION.

VT 5-ply wood veneer doors provide a stylish solid wood appearance with an upscale European edge design. Our matching hardwood outer stile provides impressive durability and seamless beauty. It's this attention to detail that sets us apart from our competition. When combined with our overall capabilities, product quality and extra standard features, it makes VT the obvious choice for your wood veneer door needs.

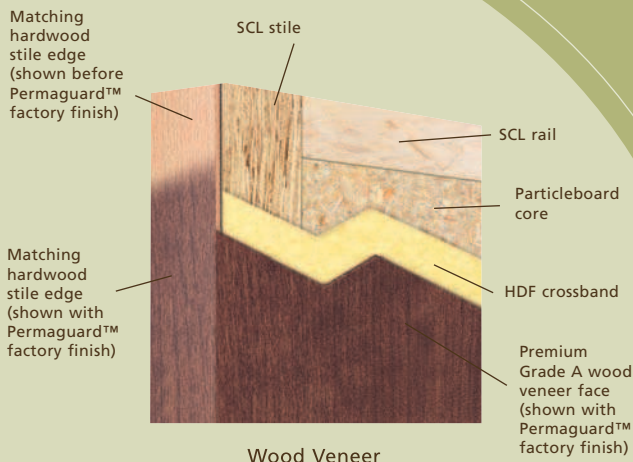


### THE VT ADVANTAGE

- Double hot press technology provides consistent quality with Type I glue for a uniform bond between all components.
- Matching hardwood stile edge as standard at no extra cost.
- Matching hardwood edge applied after beveled core assembly results in seamless wood appearance.
- European edge design eliminates unsightly crossbands.
- Withstands the 1 million cycle-slam test (in accordance with WDMA TM-7).
- 5-ply construction.
- Meets positive pressure fire ratings: 20-, 45-, 60- and 90-minute.
- Lifetime warranty.

### DESIGN

- WDMA Premium Grade as standard.
- Selected for uniformity.
- Popular species in stock for faster turnaround times.
- Full range of domestic and exotic species available.
- WDMA System TR-6 catalyzed polyurethane water-based factory finishing.





#### HOW TO SPECIFY:

*Composite crossbands shall be applied to core prior to application of matching hardwood stiles. Exposed crossbanding is not allowed along stile edges.*

Plain Sliced Red Oak  
Savannah Finish

## HIGH PRESSURE DECORATIVE LAMINATE

# DOORS

### THE AFFORDABLE ARCHITECTURAL ALTERNATIVE.

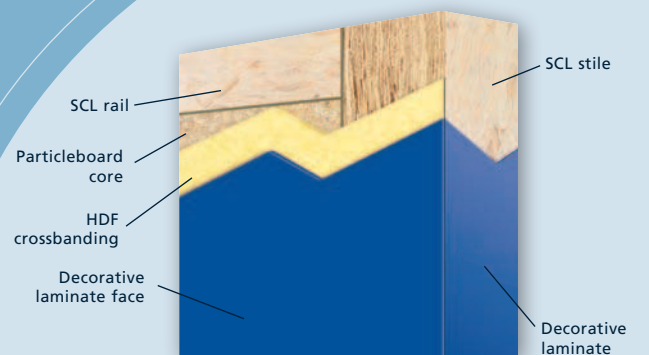
Value, durability and design freedom. It's what you demand from any architectural wood door. And when you need an affordable alternative to wood veneer, it's precisely what our decorative laminate doors provide. They require no on-site staining, sealing or painting and the costs of maintenance are minimal. For consistent pricing and availability, nothing compares to VT laminate doors.

### THE VT ADVANTAGE

- Preferred hot press 5-ply construction forms a superior bond between all components.
- Laminate edges applied before face minimize the appearance of seams.
- Easy maintenance and stain resistance.
- Vertical grade high pressure decorative laminate as standard provides enduring beauty in any application.
- Edge-before-face design locks in durability and reduces chipping.
- Meets positive pressure fire ratings: 20-, 45-, 60- and 90-minute.
- Lifetime warranty.

### DESIGN

- Affords ultimate consistency throughout the entire project.
- The best choice for a highly uniform wood grain appearance.
- Full array of patterns, solid colors and wood grain laminates to complement any interior.
- Edge-before-face construction affords a desirable solid appearance.
- Ask about silk screen and graphic image custom laminate designs.



High Pressure  
Decorative Laminate

5-ply construction shown, 3-ply construction available





## HOW TO SPECIFY:

*Stiles are to be edged with high pressure decorative laminate prior to face laminates.*

*HPDL to be vertical grade and hot-press-applied.*

*Require factory-sealed top and bottom rails.*

## STILE & RAIL

# DOORS

## THE PERFECT COMPLEMENT TO OUR FLUSH WOOD VENEER DOORS.

Whatever your needs for architectural wood doors, you require only one manufacturer. VT stile & rail doors — guaranteed to provide the highest quality, aesthetic compatibility and design integrity. Not to mention all of the outstanding features you've come to expect from VT.

## THE VT ADVANTAGE

- State-of-the-art production facility and equipment.
- Raised and flat panel door elevations.
- Ovolo, ogee or square sticking choice.
- Manufactured using doweled construction for maximum performance.
- Factory-machined to exacting requirements for hardware, including pre-drilled pilot holes for hinges and face plates.
- Doors individually packaged for maximum protection.
- Matching hardwood edges.
- Fire-rated doors meet positive pressure standards.

## DESIGN

- Doors meet WDMA I.S. 6-A Custom Grade quality standards.
- Five year warranty for interior applications.
- Popular veneer species in stock for faster turnaround times.
- Full array of domestic and imported hardwoods.
- WDMA TR-6 catalyzed polyurethane factory finish to match VT flush wood doors.
- Sealed top and bottom rails on factory finished doors.





#### HOW TO SPECIFY:

*Stile & rail doors to be factory-finished to match flush doors.*

*All architectural doors supplied from the same manufacturer.*

*Require factory-sealed top and bottom rails.*

**PROFILED**

# DOORS

## THE AESTHETICS OF STILE & RAIL AT A VALUE.

VT Industries' profiled doors provide the appearance of stile & rail doors in a more cost-effective option. Perfect for projects such as hotels and hospitality, educational facilities and multi-family housing.



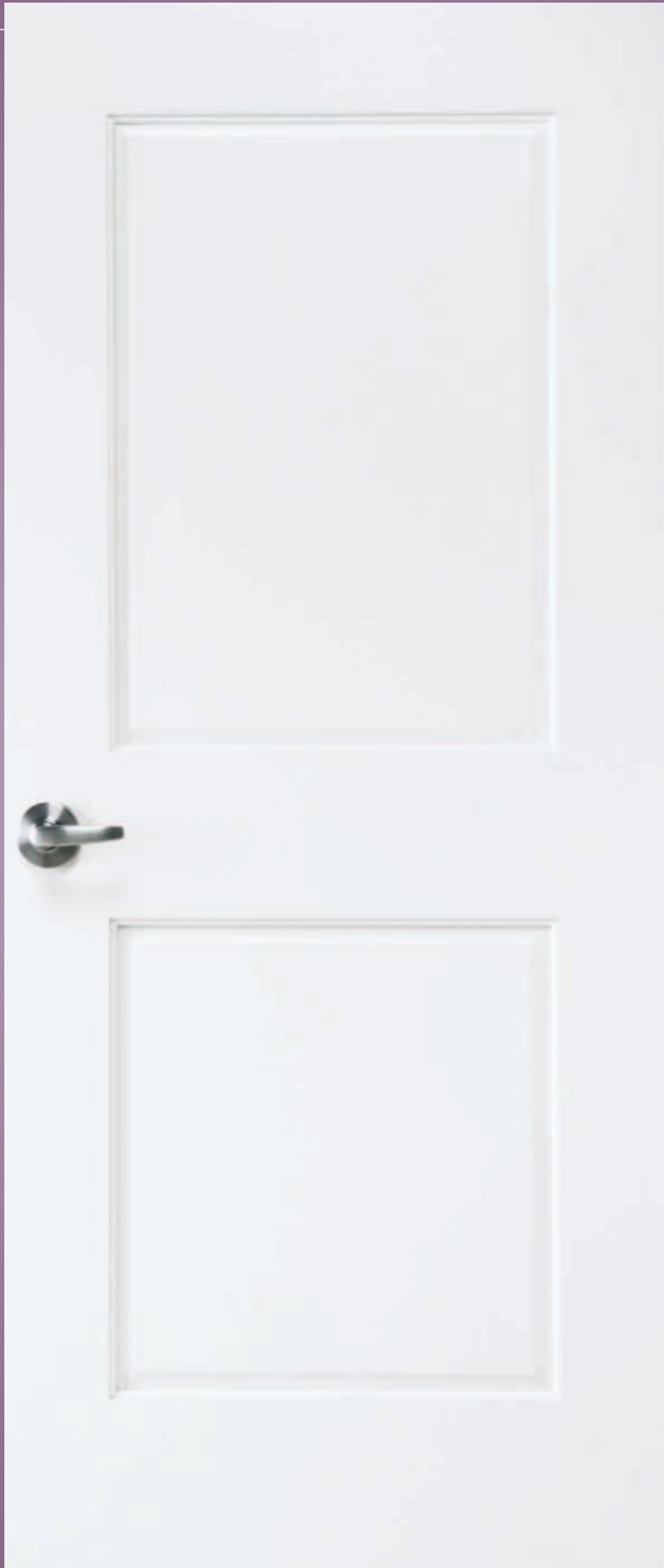
### THE VT ADVANTAGE

- Nine standard elevations.
- Four routing profiles.
- MDF core.
- HDF face.
- SCL inner stiles and rails.
- Hardwood outer stiles.
- Doors are primed as standard.

### DESIGN

- Face dimensions:
  - Stiles 6"
  - Top rail 6"
  - Bottom rail 10"
  - Intermediate rails 4" or 6"
  - Vertical mullions 4"
  - Thickness: 1-3/4"
  - Width: 1'-6" – 4'-0"
  - Height: up to 8'-0"
- 20-minute positive pressure fire-rated doors:
  - Maximum size 4'-0" x 8'-0" single or 8'-0" x 8'-0" paired.
  - Standard hinges, mortise or cylindrical locks and flush bolts.
- 5 year limited warranty.





## HOW TO SPECIFY:

*Profiled doors to have HDF face and hardwood outer stiles.*

## FACTORY FINISH SYSTEM.

# FINISH

### GOOD FOR THE ENVIRONMENT. GREAT FOR LONG-LASTING AESTHETICS.

Custom doors deserve a custom finish, and VT's factory finish is the industry's best. Our WDMA TR-6 finish system allows you to use the classic elegance of wood throughout your project with total confidence. VT doors are finished in a dust-free environment. By using water-based stains and solvent-free sealers and topcoats on our flush wood doors, we eliminate volatile organic compounds (VOC) emissions. And our UV curing system adds a durable, protective shield to all our wood veneer doors.

### THE VT ADVANTAGE

- For high profile projects, custom color matching available.
- Simply send us a 3" x 5" physical sample of the finish color desired, and we will custom match it to meet your project needs.
- Three sealer coats and two topcoats shield and protect flush doors.
- Computer-controlled automatic sprayer provides durable, even coats on our stile & rail doors.
- Advanced computer automation flawlessly applies each coat.
- A wide variety of VT Color Choices available for quick turnaround.



Plain Sliced Cherry, Clear Finish

## VT COLOR CHOICES.

# COLOR

Streamline the color matching process for your project by selecting from VT's popular Color Choices. To ensure satisfaction, order a free sample to review before making your final decision. You'll save time and the result will be a consistent, beautiful finish with a much harder surface than can be achieved in the field because the polyurethane topcoat is baked on.

- Select from an array of popular stain colors.
- Color Choices are available in a variety of wood species, including cherry and mahogany.
- Color Choices receive the same quality and care as custom color finishes.
- Color Choices provide a faster turnaround and a more economical price.
- Refer to our factory finish brochure for a complete listing of colors and species.

### HOW TO SPECIFY:

*WDMA System TR-6 catalyzed polyurethane. The polyurethane shall be UV-cured to produce a finish per WDMA I.S. 1-A. WDMA finish types 2 and 3 are not acceptable. Top and bottom rails shall be factory-sealed with an approved wood sealer. Specify the finish. Primed doors are available.*



## AFFORDABLE OPTIONS FROM VT.

# OPTIONS

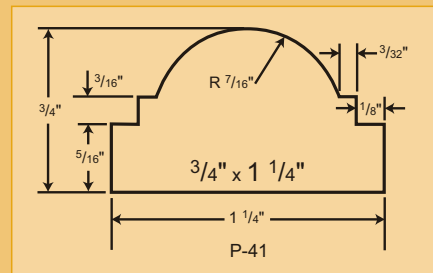
With options such as factory-installed glazing, applied mouldings, factory-installed louvers and wood door jambs available from VT Industries, you can achieve the look you want with the convenience you expect. VT eliminates the hassle of coordinating and handling lite kits and louvers on site, so your doors arrive ready-to-hang, regardless of the options you choose. Our standard offerings are located online at [www.vtindustries.com/doors/Accessories.shtml](http://www.vtindustries.com/doors/Accessories.shtml). Or if you have something special in mind, we'll work with you to meet your needs.

## FACTORY-INSTALLED GLAZING

- Choose from several profiles of wood mouldings to match your door face veneer.
- Specify glass type and thickness, from tempered glass to privacy lite kits.
- Beige powder coated steel lite frames or factory finished wood glazing stops available in standard or custom sizes and shapes.

## SURFACE-APPLIED MOULDINGS

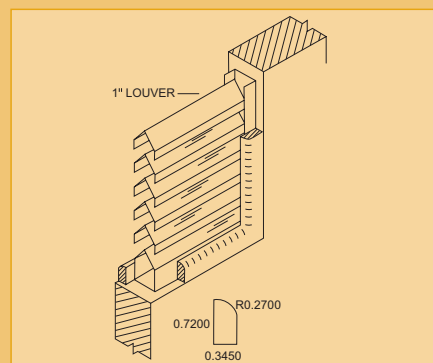
- Wood species available to match face veneers.
- Mouldings stained to match factory-finished doors.
- Select from an array of standard moulding profiles online at [www.vtindustries.com/doors/SurfaceAppliedMouldings.shtml](http://www.vtindustries.com/doors/SurfaceAppliedMouldings.shtml) or specify a custom design.



Applied Moulding Profile

## FACTORY-INSTALLED LOUVERS

- Specify louver type and size.
- Metal louvers available primed or painted, and can be installed using woodstops or metal frames.
- Wood louvers available for non-rated doors.
- Fusible link louvers meet 45-, 60- and 90-minute fire ratings.



Metal Louver Profile





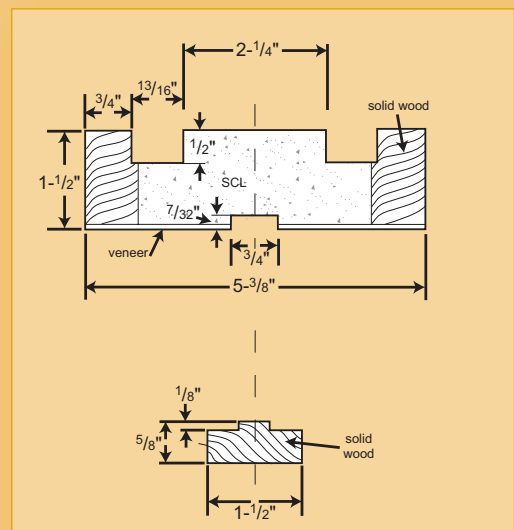
Plain Sliced Mahogany, Clear Finish



## WOOD DOOR JAMBS

VT provides wood door jambs to help you create perfectly coordinated openings.

- Choose from a variety of wood veneers to match VT door faces.
- 20-minute fire rating available, maximum 4'-0" x 9'-0" opening size.
- Solid wood stop.
- SCL substrate provides dimensional stability.
- 10-foot maximum length for non-rated use.
- Jobsite assembly.
- Minimum width: 4"
- Maximum width: 9-3/4"



Door Jamb Detail

# AESTHETIC APPEAL FROM A POSITIVE PRESSURE DOOR? ONLY AT VT.

# APPEAL

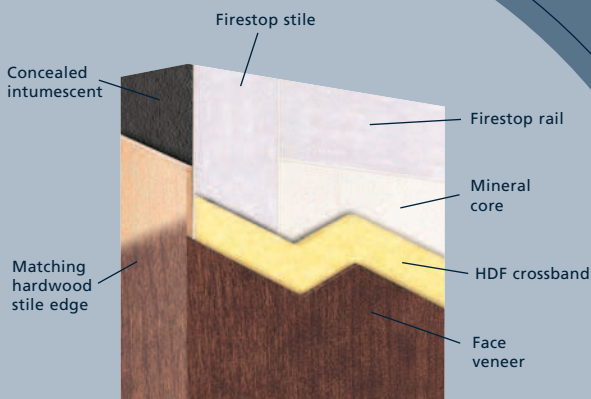
VT Industries has responded to positive pressure fire door requirements (UBC 7-2-1997) with construction that addresses industry standards while maintaining the visual integrity of the total opening.

VT provides Category A fire doors as classified by Intertek/Warnock Hersey to meet the aesthetic needs of your overall building design. Unlike exposed edge-sealing systems that detract from the visual appearance of the door or its frame, VT's concealed intumescent provides you with the same seamless elegance as our non-rated doors.

- Maximum sizes for Neutral Pressure Doors: Singles up to 4'-0" x 10'-0". Pairs up to 8'-0" x 10'-0".
- Maximum sizes for Positive Pressure Doors: Singles up to 4'-0" x 9'-0". Pairs up to 8'-0" x 9'-0".
- Positive pressure doors meet Intertek/Warnock Hersey Category A guidelines: "No additional edge-sealing system is required."\*



Quarter Sliced Figured Sapele, Clear Finish



Positive Pressure

\* Where smoke and draft control is required by local codes ("S" rating), an approved smoke gasketing must be applied around the frame perimeter.

# PROVEN RELIABILITY AND QUALITY CONSTRUCTION TO MEET LIFE SAFETY REQUIREMENTS.

At VT Industries, our commitment to ongoing testing and evaluation offers a wide variety of options to meet building code requirements, including security class ratings, X-ray radiation protection and positive pressure fire door requirements.

- Non-rated and 20-minute doors carry a security class rating of 40, the highest rating possible.
- Fire-rated doors are available with ratings up to 90-minute, including new positive pressure fire doors and double egress pairs.
- Specify VT doors with laminated end rails to help eliminate the growth of harmful molds and bacteria in health care facilities and other appropriate applications.
- Lead-lined doors provide X-ray radiation protection.

## HOW TO SPECIFY:

*Where UBC 7-2-1997 requirements for positive pressure must be met, doors shall include all requirements as part of door construction per Category A guidelines as published by Intertek/Warnock Hersey. No intumescent is allowed on the frame. Only smoke gasketing applied around the perimeter of the frame to meet the "S" rating is permissible.*



## ACTIVE AND PASSIVE FIRE PROTECTION FOR BALANCED SAFETY

- Two major approaches to fire protection that are required by code are typically defined as "active" and "passive".
- The active approach consists of fire and smoke alarm systems, sprinklers, emergency lighting, evacuation plans/drills and automatic alerts through 911.
- The passive approach involves containment of fire and smoke. The containment is achieved through the use of fire-rated and smoke- and draft-controlled door, window and wall assemblies.

Passive	Balanced	Active
Containment (Control Fumes Prevent Spread)	Automatic Detection	Suppression (Automatic Extinguishing)
Insufficient Structural Protection	Slowing Fire Growth	Insufficient Life Safety Effectiveness
	Automatic Suppression	
	Fire Containment	
	Occupant Evacuation (Optimal Balance)	

- When installed properly and not held open illegally with the use of wedges or shims, positive pressure fire doors are the most reliable approach for fire and smoke protection.
- Proper instructions for installing positive pressure fire doors are available from door, door frame and hardware manufacturers.

AT VT INDUSTRIES, EXCELLENCE IN  
CONSTRUCTION IS OUR STANDARD.

# EXCELLENCE

As an accommodation to your flush wood door order, VT offers a full line of specialty construction to meet your specifications. Single-source manufacturing increases uniformity throughout your entire project, while streamlining order process and delivery. Lead-lined doors from VT Industries constructed with lead thickness up to 1/2" provide protection where radiation exposure exists, and are available with 20-minute fire ratings.

## HOT PRESS TECHNOLOGY

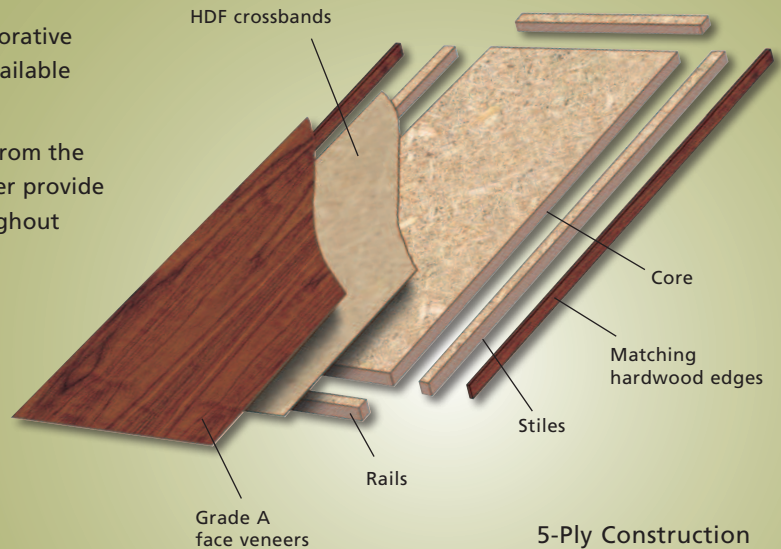
- Meets WDMA I.S. 1-A premium grade quality standards.
- Stiles and rails bonded to core with Type I glue for a uniform bond between all components.
- Individually double-pressed for maximum strength and durability.
- Unit sanded as monolithic core assembly.
- Flush wood veneer doors feature 5-ply construction.
- High pressure decorative laminate doors available as 5-ply.
- Stile & rail doors from the same manufacturer provide consistency throughout your project.

## CORE MATERIALS

- Particleboard core (1-LD-2, 28-32 lbs.).
- Structural Composite Lumber (SCL) core.
- Agrifiber core.
- Staved lumber core.
- Mineral core.
- STC-45.
- Leadlined core (1/4" maximum).

## ACOUSTICAL DOORS

- Up to STC-45 acoustical rating.
- Drop seal hardware installed at the factory for easy installation.
- VT-supplied gasketing completes STC installation.
- Utilizes standard 1-15/16" rabbeted door frames.



# NICE

## HOW TO SPECIFY:

*The door manufacturer shall drill 5/32" pilot holes for all hinges and face plates.*

## ADD VALUE

Add value to every installation at no additional charge with VT Architectural Wood Doors.

- Factory machining of pre-drilled pilot holes for hinges and faceplates assures quick, correct installation.
- All doors individually poly-bagged to arrive in perfect condition.
- Factory-sealed top and bottom rails reduce installation, time and expense.
- On-time, reliable delivery on dedicated VT trucks by dedicated VT drivers.

## OUR COMMITMENT TO LEAN MANUFACTURING

Adding value to every installation with no waste drives costs down. It's a simple tenet of business. VT Industries wastes as little as possible to keep overhead low and ensures we deliver you superior products at competitive pricing.

To keep waste at a minimum, we employ every possible means of lean manufacturing — from reusing scraps of core materials to heating our plants with sawdust inevitably left over from the manufacturing process.

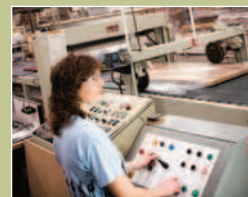
All employees — from manufacturing to accounting — are encouraged and involved in helping find innovative ways to make our business efficient and effective. We continually research and implement ways to make our products more efficient, providing our customers with the best possible results at the lowest price possible.



VT factory seals top and bottom rails.



Pre-drilled pilot holes provide ease of installation.








Doors are individually poly-bagged for added protection.



DOOR CONSTRUCTION <sup>1,2</sup>	Non-Crossbanded Particleboard Core	Crossbanded Particleboard Core	Crossbanded Stave Lumber Core	Crossbanded Structural Composite Lumber Core
THICKNESS	1-3/4", 1-3/8"	1-3/4", 2-1/4"	1-3/4"	1-3/4"
CORE <sup>3</sup>	Particleboard complying with ANSI A208.1, Grade 1-LD-2	Particleboard complying with ANSI A208.1, Grade 1-LD-2	Kiln-dried wood blocks, edges glued	Structural Composite Lumber (SCL)
AVAILABLE RATINGS	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>	Security Rating, Class 40 <sup>5</sup>
NEUTRAL PRESSURE FIRE RATINGS	20-Minute Fire Door <sup>6,16</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup> 45-Minute Fire Door <sup>10†</sup>
RAILS <sup>4</sup>	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
STILES	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL
POSITIVE PRESSURE FIRE RATINGS	20-Minute Fire Door <sup>6,16</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup> 45-Minute Fire Door <sup>10</sup>
RAILS <sup>4,10</sup>	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
STILES <sup>10</sup>	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL
5-PLY WOOD VENEER MODELS	N/A	5502 [PC-5] <sup>7,13,14,15</sup> 5P02 [PC-5] <sup>7,10,14</sup>	5507 [SLC-5] <sup>7,13,14,15</sup> 5P07 [SLC-5] <sup>7,10,14</sup>	5508 [SCLC-5] <sup>7,13,14,15</sup> 5P08 [SCLC-5] <sup>7,10,14</sup>
FACES	N/A	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO
CROSSBANDS	N/A	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)
STILE TREATMENT	N/A	Stiles have matching hardwood edge - CROSSBANDS CONCEALED AT EDGE	Stiles have matching hardwood edge - CROSSBANDS CONCEALED AT EDGE	Stiles have matching hardwood edge - CROSSBANDS CONCEALED AT EDGE
HIGH PRESSURE DECORATIVE LAMINATE MODELS	303 [PC-HPDL-3] <sup>7,8,13,14,15</sup> 3P03 [PC-HPDL-3] <sup>7,10,14</sup>	404 [PC-HPDL-5] <sup>7,13,14,15</sup> 4P04 [PC-HPDL-5] <sup>7,10,14</sup>	707 [SLC-HPDL-5] <sup>7,13,14,15</sup> 7P07 [SLC-HPDL-5] <sup>7,10,14</sup>	808 [SCL-HPDL-5] <sup>7,13,14,15</sup> 8P08 [SCL-HPDL-5] <sup>7,10,14</sup>
FACES	.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL
CROSSBANDS	N/A	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)
STILE TREATMENT <sup>9</sup>	Laminate edges applied prior to faces	Laminate edges applied prior to faces - CROSSBANDS CONCEALED AT EDGE	Laminate edges applied prior to faces - CROSSBANDS CONCEALED AT EDGE	Laminate edges applied prior to faces - CROSSBANDS CONCEALED AT EDGE
LITE CUTOUTS Frames furnished	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup> Max. 864 sq. in. (24" w or 36" h) for 45-min. <sup>13,14</sup>
LOUVER CUTOUTS <sup>6</sup> Louvers available.	All sizes available for non-rated doors.	All sizes available for non-rated doors.	All sizes available for non-rated doors.	All sizes available for non-rated doors.

<sup>1</sup>All VT doors are intended for interior use only. <sup>2</sup>All VT doors meet or exceed WDMA I.S. 1-A and AWI Section 1300 quality standards. <sup>3</sup>All VT stiles and rails are bonded to core, and unit is sanded as monolithic core assembly. <sup>4</sup>All doors are available with larger top and bottom rails and with additional hardware blocking when specified. <sup>5</sup>Highest security rating possible per UBC standard 41-1 and ASTM F-176. <sup>6</sup>No louvers are allowed in 20-minute doors (smoke doors). <sup>7</sup>WDMA Spec Symbols listed in [brackets] beside VT model numbers. <sup>8</sup>.125" decorative laminate available upon request in non-crossbanded particleboard core door.

				
Agrifiber Core	Crossbanded Mineral Core	Crossbanded LeadLined Core	Crossbanded Composite Sound Core	Profiled
1-3/4", 2-1/4"	1-3/4"	1-3/4" with lead to 1/4"	1-3/4"	1-3/4"
Agrifiber complying with ANSI A208.1, Grade 1-LD-2	Incombustible Mineral Core	Particleboard complying with ANSI A208.1, Grade 1-LD-2, with continuous lead glued to each side of framed core; multi-ply construction	Composite Sound Core, multi-ply construction	Medium Density Fiber (MDF)
Security Rating, Class 40 <sup>5</sup>	N/A	Radiation Shielding	STC 39 or 45 Sound Door	N/A
20-Minute Fire Door <sup>6,10†</sup> , 45-Minute Fire Door <sup>10†</sup> , 60-Minute Fire Door <sup>10†</sup>	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6,10,13,14</sup>
1-3/8" SCL for all 20-min and 45-min single fire doors, 1-1/2" GP Firestop at 45-min pairs & 60-min singles	1" SCL on 45-min; 1-1/2" GP Firestop on 60-min & 90-min before trimming <sup>†</sup>	3-3/8" SCL, top and bottom	3-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
1-3/8" SCL for all 20-min and 45-min single fire doors, 1-1/2" GP Firestop II at 45-min pairs & 60-min singles	1" SCL on 45-min; 1-1/2" GP Firestop II on 60-min & 90-min before trimming <sup>†</sup>	1-3/8" SCL	1-3/8" SCL with hardwood edge - CROSSBANDS CONCEALED AT EDGE	1-3/8" SCL with hardwood edge
20-Minute Fire Door <sup>6,10</sup> , 45-Minute Fire Door <sup>10</sup> , 60-Minute Fire Door <sup>10</sup>	45-, 60-, 90-Minute Fire Door, including 90-min. Double Egress Pairs	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6</sup>	20-Minute Fire Door <sup>6,10,13,14</sup>
1-3/8" SCL for all 20-min and 45-min single fire doors, 1-1/2" GP Firestop at 45-min pairs & 60-min singles	1" SCL on all 45-min & 60-min singles; 1-1/2" GP Firestop on 60-min pairs & all 90-min doors	3-3/8" SCL, top and bottom	3-3/8" SCL, top and bottom	1-3/8" SCL, top and bottom
1-3/8" SCL for all 20-min and 45-min single fire doors, 1-1/2" GP Firestop II at 45-min pairs & 60-min singles	1" SCL on all 45-min & 60-min singles; 1-1/2" GP Firestop II on 60-min pairs & all 90-min doors	1-3/8" SCL	1-3/8" SCL	1-3/8" SCL with hardwood edge
5509 [PC-5] <sup>7</sup> 5P09 [PC-5] <sup>7,10,13,14</sup>	5545 and 5511 [FD-5] <sup>7,13</sup> 5P45 and 5P11 [FD-5] <sup>7,10,14</sup>	5515 [LL] <sup>7,13,14,15</sup> 5P15 [LL] <sup>7,10,14</sup>	5540 [SR] <sup>7,11,13</sup> , 5550 [SR] <sup>7,11</sup> 5P50 [SR] <sup>7,11,14</sup>	N/A
WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	WDMA premium grade wood veneer, cut & species of choice, or MDO	High Density Fiber (HDF); primed
High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	N/A
Stiles have matching hardwood edge - CROSSBANDS CONCEALED AT EDGE	Stiles have matching hardwood edge - CROSSBANDS CONCEALED AT EDGE	Stiles have matching hardwood edge - CROSSBANDS CONCEALED AT EDGE	See stile information above.	N/A
909 [PC-HPDL-5] <sup>7</sup> 9P09 [PC-HPDL-5] <sup>7,10,13,14</sup>	1345 and 1111 [FD-HPDL-5] <sup>7,13</sup> 1P45 and 1P11 [FD-HPDL-5] <sup>7,10,14</sup>	1515 [LL-HPDL] <sup>7,13,14,15</sup> 1P15 [LL-HPDL] <sup>7,10,14</sup>	1240 [SR-HPDL] <sup>7,11,13</sup> , 1050 [SR-HPDL] <sup>7,11</sup> 1P50 [SR-HPDL] <sup>7,11,14</sup>	N/A
.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL	.050" (1.3 mm) general purpose HPDL	N/A
High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	High Density Fiber (HDF)	N/A
Laminate edges applied prior to faces - CROSSBANDS CONCEALED AT EDGE	Laminate edges applied prior to faces - CROSSBANDS CONCEALED AT EDGE	Laminate edges applied prior to faces - CROSSBANDS CONCEALED AT EDGE	See stile information above.	N/A
All sizes available for non-rated doors. Max. 1296 sq. in. (36" w or 54" h) for 20-min. <sup>12,13,14</sup>	Max. 1296 sq. in. (36" w or 54" h) for 45-min; Max. 100 sq. in. (10" w or 33" h) for 60-min or 90-min <sup>12,13,14</sup>	Max. 256 sq. in. (16" w or 16" h) for 20-min.	Max. 216 sq. in. with STC 39 or 44 rating. Door is furnished factory glazed.	N/A
All sizes available for non-rated doors.	Max. 576 sq. in. (24" w or 24" h)	N/A	N/A	N/A

<sup>9</sup>Decorative laminate doors are also available with unfinished, stained or painted hardwood edges. <sup>10</sup>Intumescent concealed along stile edge and surface applied along top rail. <sup>11</sup>Gasketing and drop seal included. <sup>12</sup>Larger lite sizes available using special materials. <sup>13</sup>Negative pressure fire rating available. <sup>14</sup>Positive pressure fire rating available. <sup>15</sup>20-min positive pressure restrictions: single door only; for use in hollow metal frame. <sup>16</sup>Doors thinner than 1-3/4" cannot carry a fire label (non-rated only).<sup>†</sup>With Positive Pressure Construction.

# VT STILE & RAIL DOORS

# STANDARD ELEVATIONS

## ELEVATION DESIGN OPTIONS



**SS** Square Door Top Square Top Panel



**SA** Square Door Top Arch Top Panel



**SC** Square Door Top Colonial Top Panel



**SR** Square Door Top Radius Top Panel

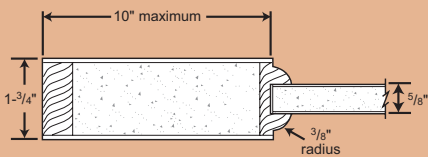


**AA** Arch Door Top Arch Top Panel

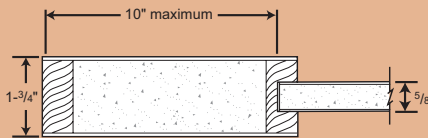


**RR** Radius Door Top Radius Top Panel

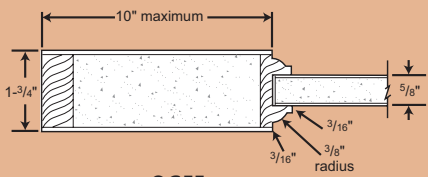
### STICKING USED ON FLAT PANELS



OVOLO

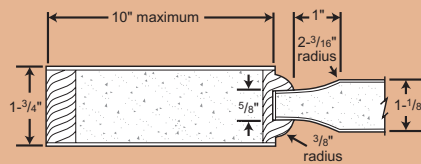


SQUARE

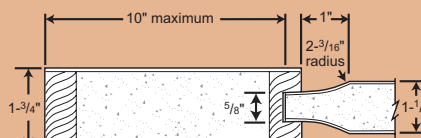


OGEE

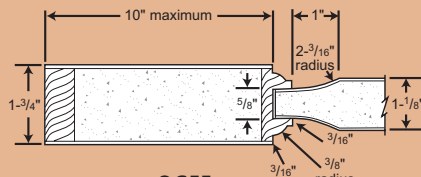
### STICKING USED ON RAISED PANELS



OVOLO

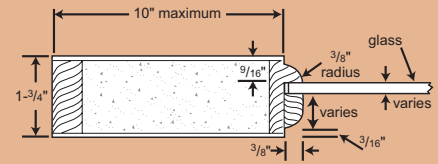


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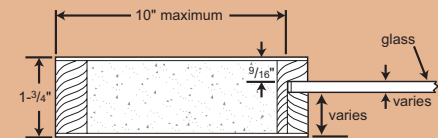


OGEE

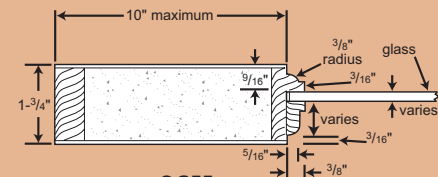
### STICKING USED WITH GLASS



OVOLO



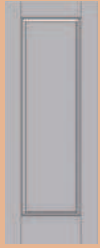
SQUARE



OGEE



**1000 SERIES\***



SS1011



SS1021



SS1031



SS1032



SS1041



SS1042



SS1051



SS1052



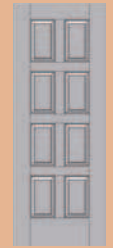
SS1061



SS1062



SS1063



SS1081

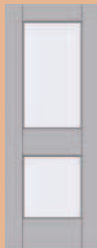


SS1091

**3000 SERIES\***



SS3011



SS3021



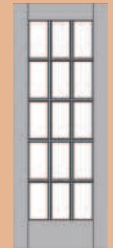
SS3081



SS3101



SS3121

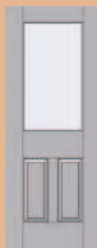


SS3151

**5000 SERIES\***



SS5021



SS5031



SS5041



SS5101



SS5111



SS5131



SS5141

**7000 SERIES\***

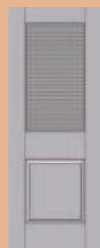


SS7011

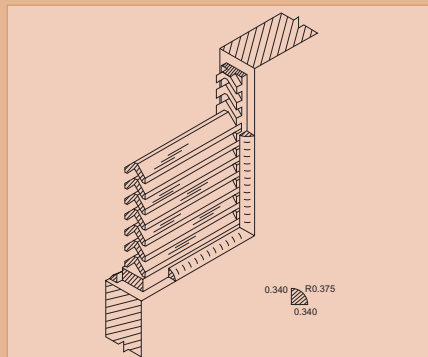


SS7021

**9000 SERIES**



SS9021

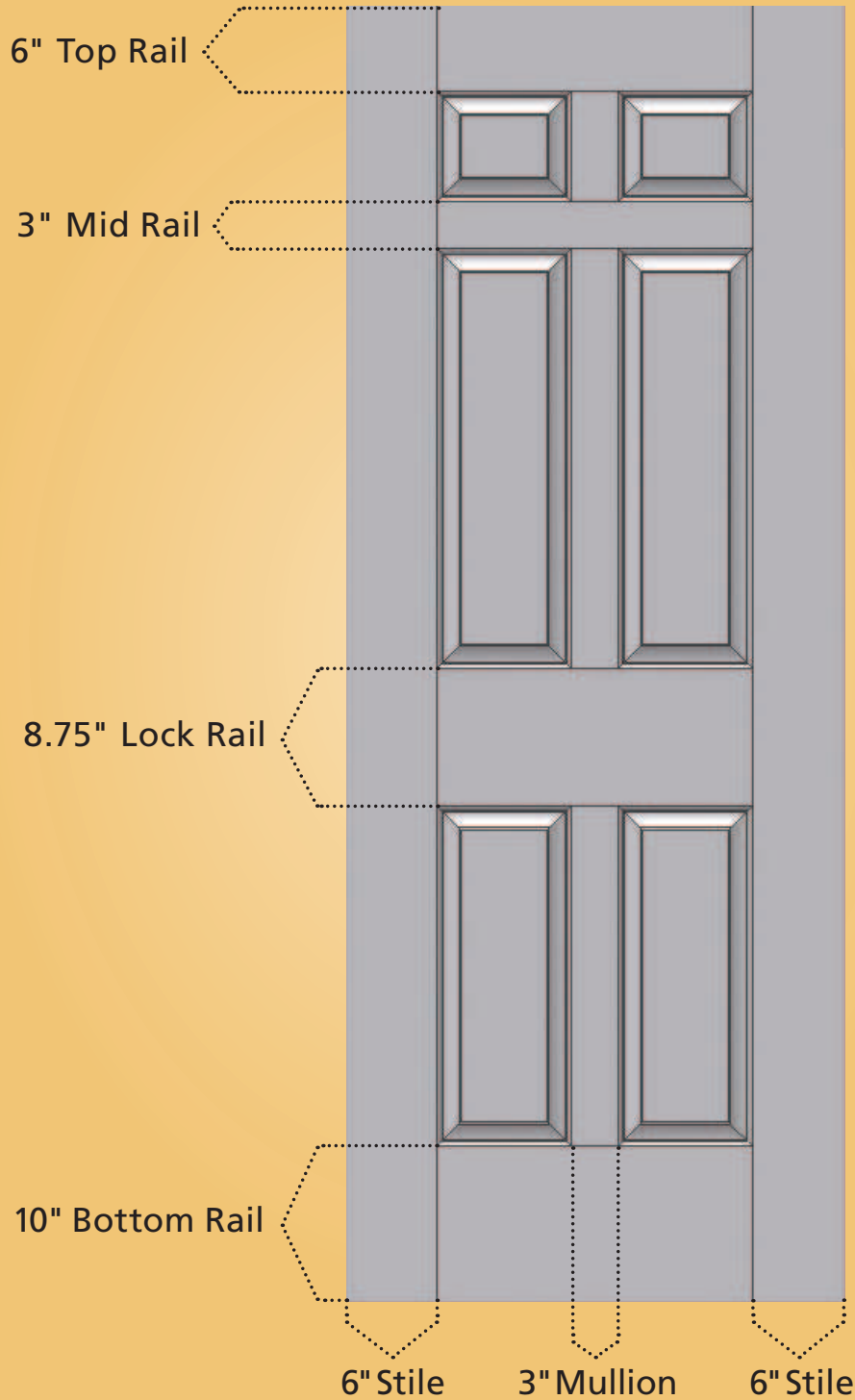


Wood Louver Profile

\*Additional elevations are available. Contact customer service or visit our Web site. Custom designs available for all series within component dimension parameters.

# VT STILE & RAIL DOOR COMPONENT

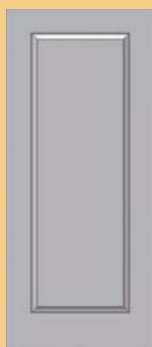
# DIMENSIONS



# VT PROFILED DOOR

# ELEVATIONS

## ELEVATION DESIGN OPTIONS



FS1011



FS1021



FS1031



FS1041



FS1042



FS1052



FS1062

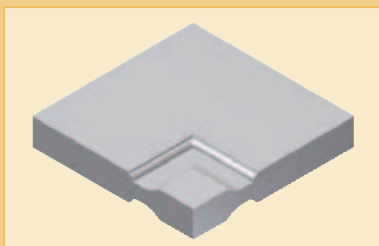


FA1021

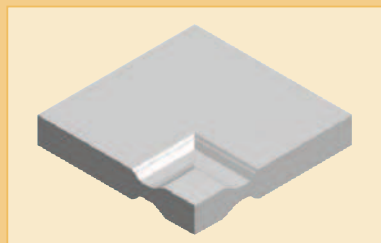


FA1031

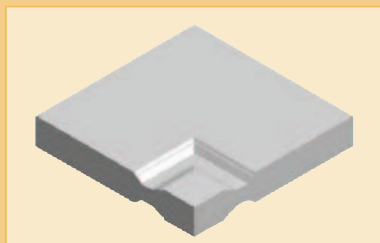
## ROUTING PROFILES



VT 2



VT 3



VT 4



FA1021, Primed

# CONTINUING EDUCATION

VT values the importance of continuing educational efforts and conducts sessions to help architects earn AIA/CES learning units. All courses are also registered with the Doors and Hardware Institute continuing education program.

As an added benefit, we offer on-site presentations on subjects such as:

- VTI 103 – Specifying HPDL Architectural Wood Doors
- VTI 202 – Wood Door Construction\*
- VTI 303 – Veneers for Architectural Wood Doors
- VTI 406 – Life Safety: Positive Pressure, Balanced Construction, and Annual Inspections\*
- VTI 506 - LEED Choices in Wood Door Construction\*

*\* These courses count toward Health, Safety, Welfare.*

Each course is approximately one hour long and is registered by VT with the University of Oklahoma for Continuing Education, earning AIA members one learning unit. If you are interested in taking one or all of the courses, please feel free to contact VT Industries at 800.827.1615 ext. 564, or contact your local VT Industries sales representative to schedule your course.



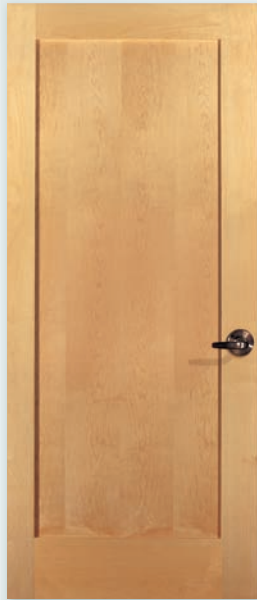
The Architectural Openings Resource



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HOLSTEIN, IA 51025  
P 800.827.1615 EXT. 564  
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WWW.VTINDUSTRIES.COM/DOORS



VT INDUSTRIES | **STILE & RAIL DOORS**





# VT STILE &

Whether you're restoring a historic building or want to add the perfect detail to a new design, you'll find the elegance and beauty you seek in VT stile and rail doors. We offer the highest quality product combined with aesthetic compatibility and design integrity.

At VT Industries, we offer all the custom options you could ask for in a stile and rail door. Choose from standard and custom elevations featuring raised, flat, glass, and louver panel options. Further customize your stile and rail doors with one of our specialty sticking profiles.

The craftsmanship and quality of VT's stile and rail doors are second to none. All of our stile and rail doors are manufactured to meet performance standards and are factory finished to match flawlessly, giving your project a beautiful cohesive look.

So when you're looking for stile and rail doors to fit your projects, look no further than the impeccable craftsmanship and design of VT Architectural Wood Doors.

# RAIL DOORS



HERITAGE COLLECTION

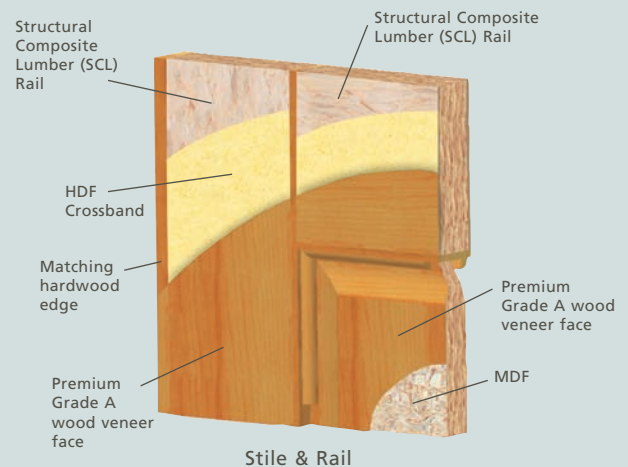
## HERITAGE STILE &amp; RAIL DOORS



## HIGH-QUALITY, BEAUTIFUL DOORS.

That's what you get with stile and rail doors from VT. And whether you're going for a classic, refined look or the perfect addition to a modern design, we can build a door to perfectly fit your needs.

- Doors meet WDMA I.S. 6-A Custom Grade quality standards
- Available with 20-, 45-, 60-, and 90-minute fire ratings
- Manufactured with fluted dowel construction for maximum performance
- Raised, flat, glass, and louver panel options
- Limited five-year warranty for interior use
- Full array of domestic and imported wood options
- State-of-the-art production facility and equipment
- Factory-machined to exacting requirements for hardware, including pre-drilled pilot holes for hinges and face plates
- Matching hardwood edge-before-face design provides impressive durability
- UV-cured, water-based factory finish to meet WDMA TR-6 and AWS System 9





HERITAGE COLLECTION

## FIRE-RATED DOORS

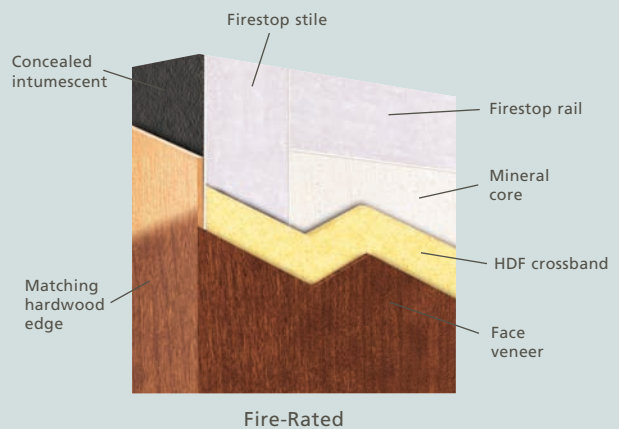


## 20-MINUTE FIRE DOORS

- 1-3/4" thick; maximum size: 4'-0" x 8'-0" x 1-3/4" for a single door, 8'-0" x 8'-0" for pair with 3- or 4-point latching
- Panels: raised, flat, or glass
- Full-panel or multiple-panel configuration
- Cylindrical or mortise lock
- Flushbolts: automatic or extension, 24" long
- Hinges per NFPA 80

## 45-, 60-, AND 90-MINUTE FIRE DOORS

- 1-3/4" thick; maximum size: 3'-6" x 8'-0" for single door, 7'-0" x 8'-0" for pair
- Panels: raised or flat
- Full-panel or multiple-panel configuration
- Cylindrical or mortise lock
- Flushbolts: mortise automatic or surface manual (no extension flushbolts)
- Hinges per NFPA 80



HERITAGE COLLECTION

# STANDARD ELEVATIONS

## ELEVATION DESIGN OPTIONS



**SS** Square Door Top Square Top Panel



**SA** Square Door Top Arch Top Panel



**SC** Square Door Top Colonial Top Panel



**SR** Square Door Top Radius Top Panel

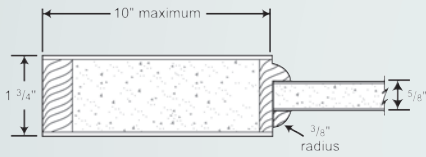


**AA** Arch Door Top Arch Top Panel

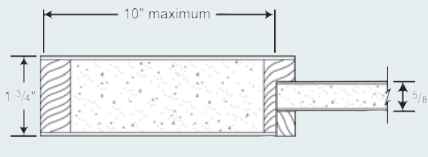


**RR** Radius Door Top Radius Top Panel

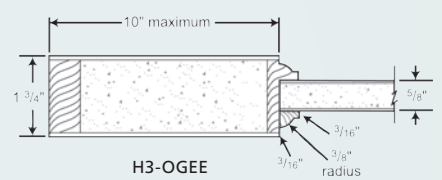
## STICKING USED ON FLAT PANELS



**H1-OVOLO**

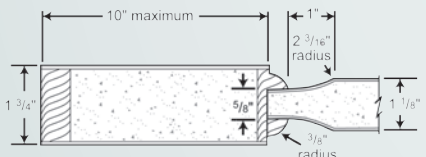


**H2-SQUARE**

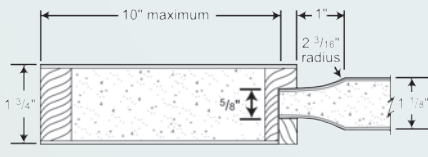


**H3-OGEE**

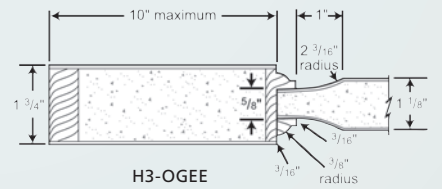
## STICKING USED ON RAISED PANELS



**H1-OVOLO**

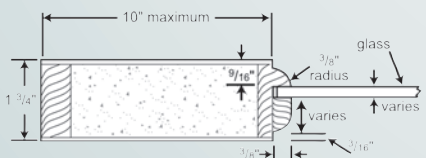


**H2-SQUARE**

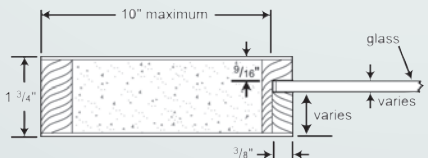


**H3-OGEE**

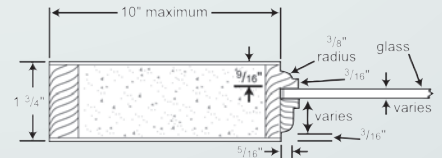
## STICKING USED WITH GLASS



**H1-OVOLO**



**H2-SQUARE**



**H3-OGEE**

### 1000 SERIES



SS1011H



SS1021H



SS1031H



SS1032H



SS1033H



SS1041H



SS1042H



SS1051H



SS1052H



SS1061H



SS1062H



SS1063H



SS1081H



SS1091H

### 3000 SERIES



SS3011H



SS3021H



SS3022H



SS3024H



SS3032H



SS3041H



SS3042H



SS3052H



SS3061H



SS3062H



SS3063H



SS3091H



SS3081H



SS3101H



SS3121H



SS3122H



SS3151H



SS3181H

### 7000 SERIES



SS7011H



SS7021H

### 5000 SERIES



SS5021H



SS5031H



SS5041H



SS5071H



SS5101H



SS5111H



SS5131H



SS5141H

### 9000 SERIES



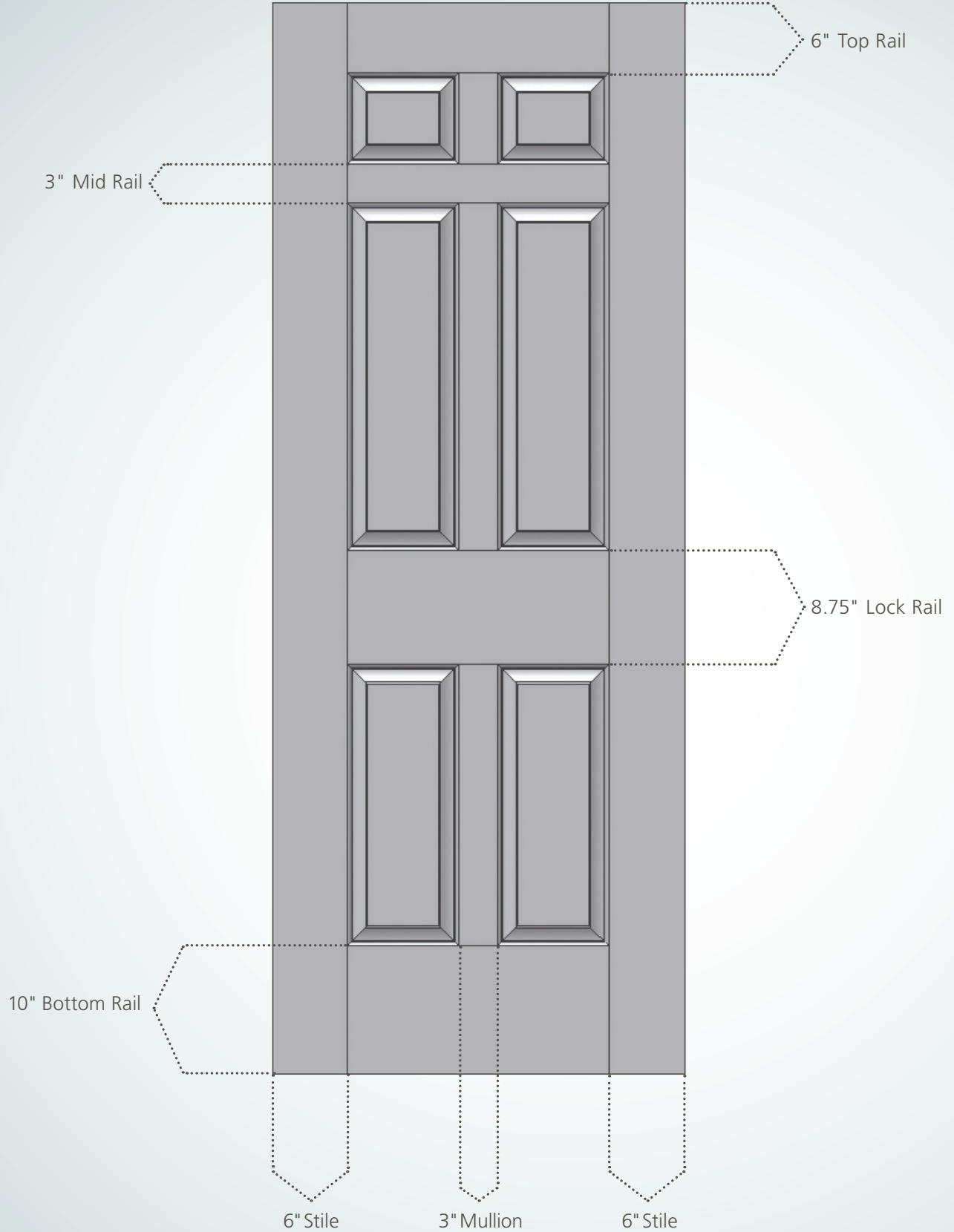
SS9021H



SS9022H

HERITAGE COLLECTION

# COMPONENT DIMENSIONS



HERITAGE COLLECTION COMPONENT DIMENSIONS	NON-RATED	20-MINUTE	45-, 60- and 90-MINUTE
DOOR HEIGHT Maximum Minimum	10'-0" 1'-2"	8'-0" 1'-9"	8'-0" 1'-9"
DOOR WIDTH Maximum Minimum	4'-0" 1'-0"	4'-0" (including pairs) 1'-4"	3'-6" (including pairs) 1'-4"
DOOR THICKNESS Maximum Minimum	1-3/4" 1-3/8"	1-3/4" 1-3/4"	1-3/4" 1-3/4"
STILE WIDTH Maximum Minimum	10" 3"	10" 5"	10" 6"
MULLION WIDTH Maximum Minimum	10" 3"	10" 3"	10" 3"
TOP RAIL WIDTH Maximum Minimum	10" 3"	10" 5"	10" 6"
CROSS/LOCK RAIL WIDTH Maximum Minimum	10" 3"	10" 3"	10" 3"
BOTTOM RAIL WIDTH Maximum Minimum	10" 3"	10" 10"	10" 6"
RAIL LENGTH Maximum Minimum	3'-6" 6"	3'-2" 6"	2'-6" 6"
PANEL HEIGHT Maximum Minimum	9'-6" 6"	6'-9" 6"	7'-0" 11-1/2"
PANEL WIDTH Maximum Minimum	3'-6" 6"	3'-2" 6"	2'-6" 11-1/2"
FLAT PANEL THICKNESS Maximum Minimum	5/8" 1/4"	5/8" 5/8"	5/8" 5/8"
RAISED PANEL THICKNESS Maximum Minimum	1-1/8" 5/8"	1-1/8" 1-1/8"	1-1/8" 1-1/8"
BAR/MUNTIN WIDTH Maximum Minimum	15/16" 1/2"	N/A N/A	N/A N/A
BAR/MUNTIN THICKNESS Maximum Minimum	1-3/4" 1-3/8"	N/A N/A	N/A N/A

\*Minimum height and width are dependent on minimum dimensions for door components and will vary between elevations. †VT3000 and 5000 Series doors only. ‡Thickness determined by door thickness.

ARTISTRY COLLECTION

## ARTISTRY STILE &amp; RAIL DOORS

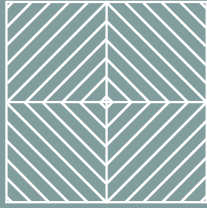


## CRAFTSMANSHIP AT ITS FINEST.

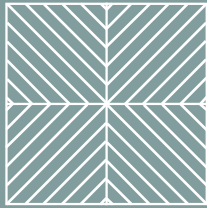
The hand-crafted beauty of our Artistry stile & rail doors is unmatched in the industry. Each door is truly customizable. From the panel configuration, veneer selection, factory finish and sticking options; your vision is our guide. Let the highly skilled, detail orientated artisans at VT create the perfect door for your one-of-a-kind project.

- Doors meet AWS Premium Grade quality standards
- Available with sketch-face veneers, laser marquetry, and blueprint matched panels and doors
- Manufactured with fluted dowel construction for maximum performance
- Raised, flat, glass, and louver panel options
- Manufactured with a wide variety of sticking options
- Limited five-year warranty for interior use
- A full array of domestic and imported veneers in stock
- AA Grade veneers are standard
- State-of-the-art production facility and equipment
- Factory-machined to exacting requirements for hardware, including pre-drilled pilot holes for hinges and face plates
- AWS System 2 pre-catalyzed lacquer finish is standard
- Custom made to fit any opening, including oversized and thick-opening applications
- Mitered corner panels and mitered rim-banded panels are standard
- Handcrafted doors paired with state-of-the-art technology

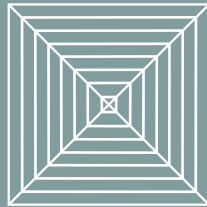
# SKETCH FACE PATTERNS



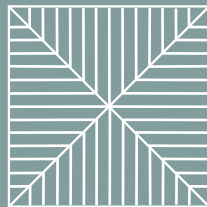
DIAMOND



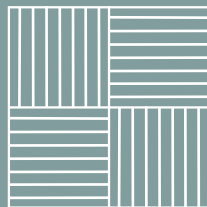
REVERSE DIAMOND



BOX



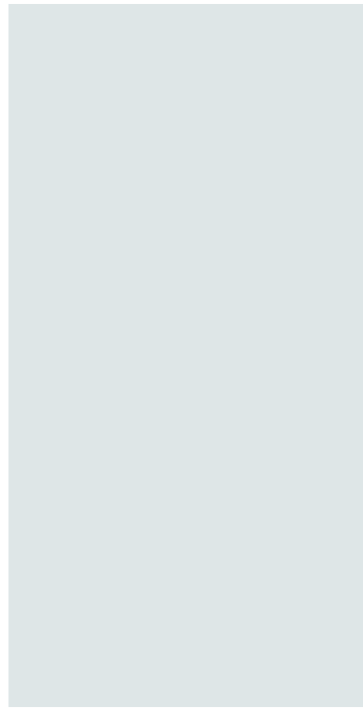
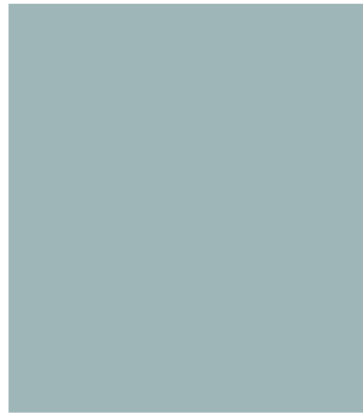
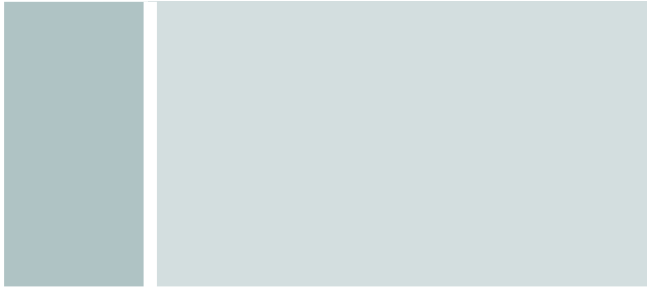
REVERSE BOX



PARQUET

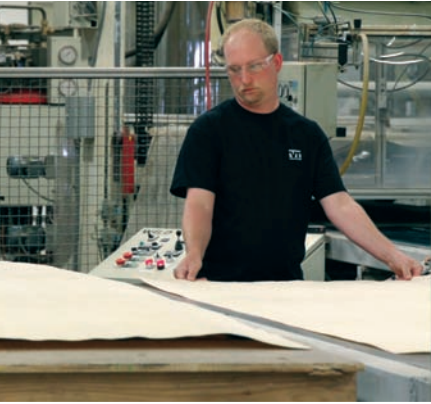


HERRINGBONE



ARTISTRY COLLECTION

# CUSTOM OPTIONS



With our Artistry Collection stile and rail doors, there is no standard elevation or sticking options. That's because every Artistry door is completely customized to fit your needs. What's more, any elevation can be produced with custom options such as oversized, specialty wood veneers and more.

## CUSTOM DOORS

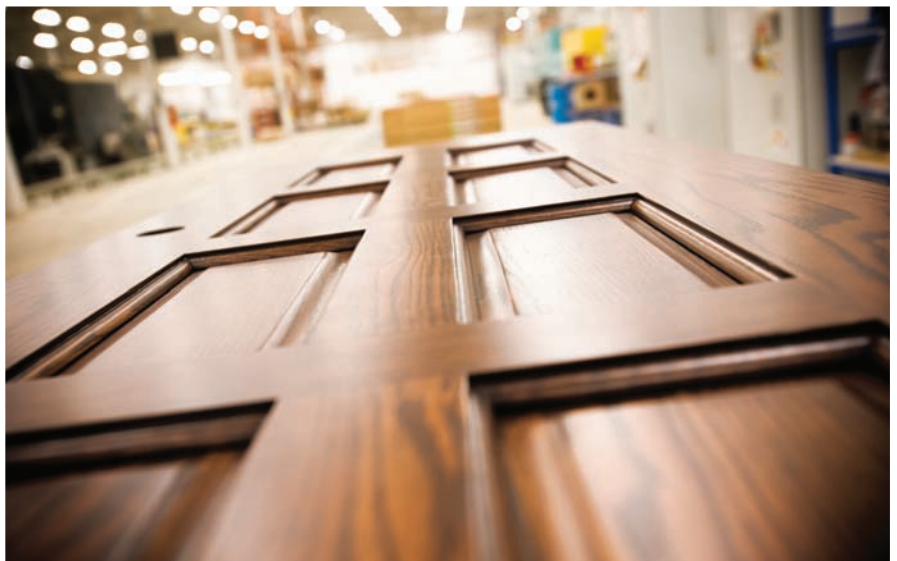
You have a vision, we have a door. Our skilled craftsmen are experts in handcrafting unique, customized doors of the highest quality. From one-of-a-kind panel configuration to sketch face laser marquetry, no matter what your vision calls for, VT can provide a stile and rail door to fit it.

## OVERSIZED DOORS

Sometimes big ideas call for a bigger door. No problem. With the VT Artistry Collection, we're able to provide stile and rail doors of all sizes. From thick doors to wide doors, we can provide your project with a handcrafted door that fits your exact needs. And because it's from VT, you can guarantee the quality and service will be unmatched.

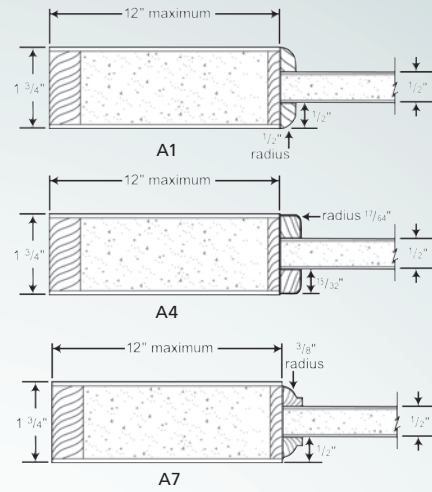
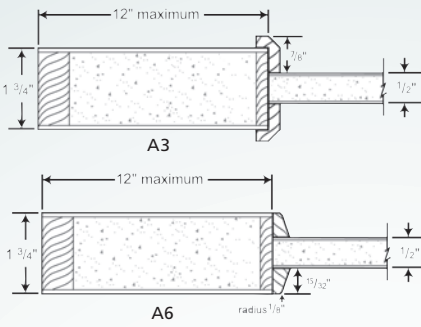
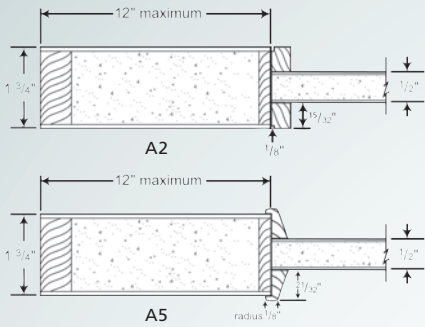
## SPECIALTY WOOD VENEER DOORS

Whatever your design calls for, VT's Artistry Collection can make it happen. We have the capability to manufacture high-end, high-quality stile and rail doors to your exact design needs and specifications. Using high-end or exotic wood, our skilled craftsmen will provide the perfect specialty veneer door for your project.

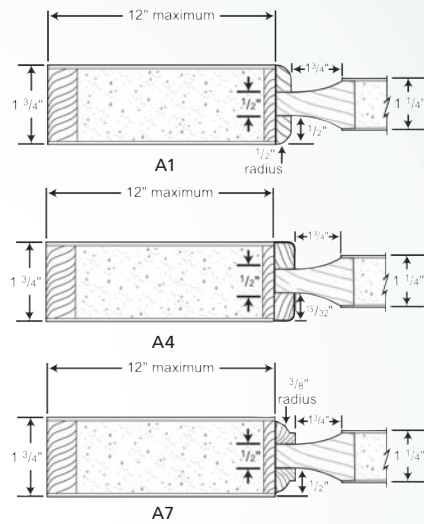
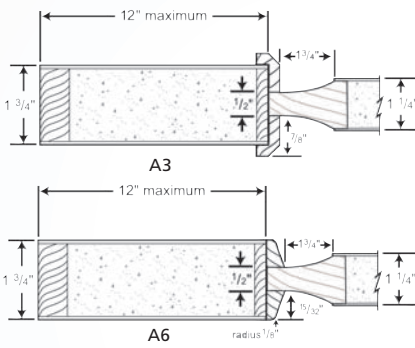
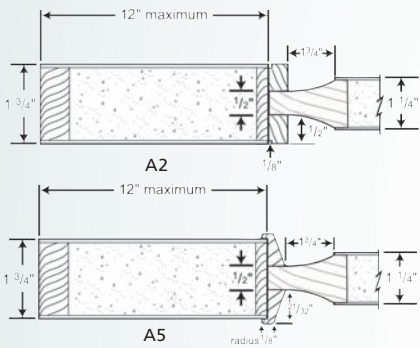




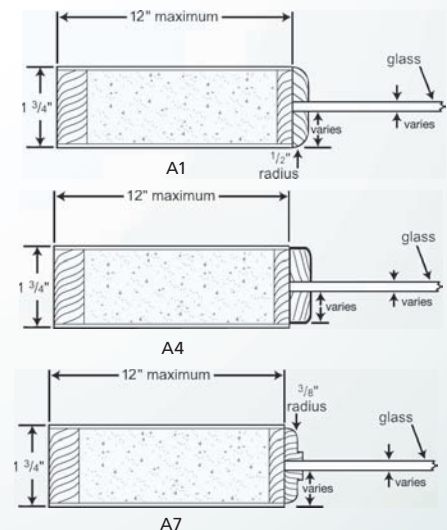
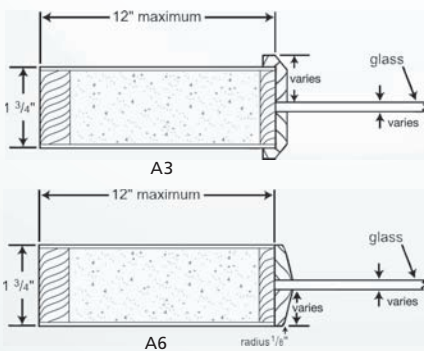
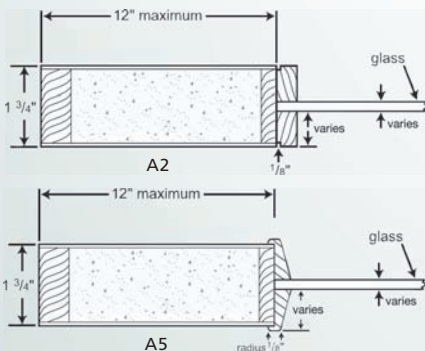
### STICKING USED ON FLAT PANELS



### STICKING USED ON RAISED PANELS



### STICKING USED WITH GLASS



ARTISTRY COLLECTION COMPONENT DIMENSIONS	NON-RATED
DOOR HEIGHT Maximum Minimum	12'-0" 2"
DOOR WIDTH Maximum Minimum	5'-6" 1"
DOOR THICKNESS Maximum Minimum	3-3/8" 1"
STILE WIDTH Maximum Minimum	12" 5"
MULLION WIDTH Maximum Minimum	12" 3"
TOP RAIL WIDTH Maximum Minimum	12" 3"
CROSS/LOCK RAIL WIDTH Maximum Minimum	12" 3"
BOTTOM RAIL WIDTH Maximum Minimum	10" 3"
RAIL LENGTH Maximum Minimum	5'-0" 6"
PANEL HEIGHT Maximum Minimum	11'-6" 6"
PANEL WIDTH Maximum Minimum	5'-0" 6"
FLAT PANEL THICKNESS Maximum Minimum	1-1/4" 1/4"
RAISED PANEL THICKNESS Maximum Minimum	2-7/8" 1/2"
BAR/MUNTIN WIDTH Maximum Minimum	15/16" 1/2"
BAR/MUNTIN THICKNESS Maximum Minimum	1-3/4" 1-3/8"

\*3" minimum stile width available without warranty.

# VT CUSTOMER SERVICE

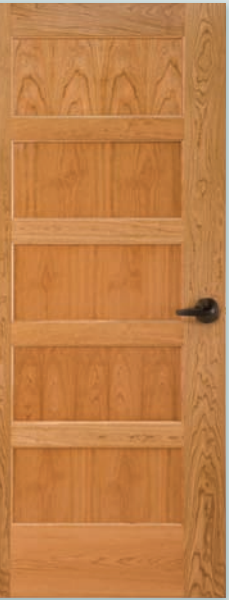
## SATISFACTION IS OUR FINEST PRODUCT

Whether you need stile and rail, flush wood veneer, or high pressure decorative laminate doors, when you specify VT doors you can be assured of customer service that's second to none. We pride ourselves on serving all your door needs with our friendly, timely and expert service.

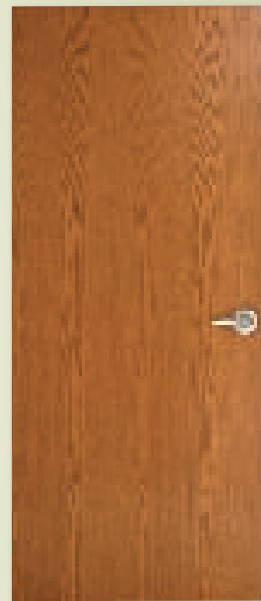
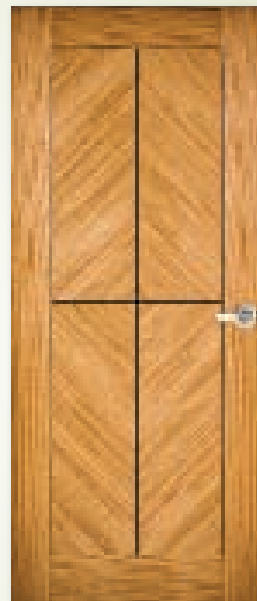
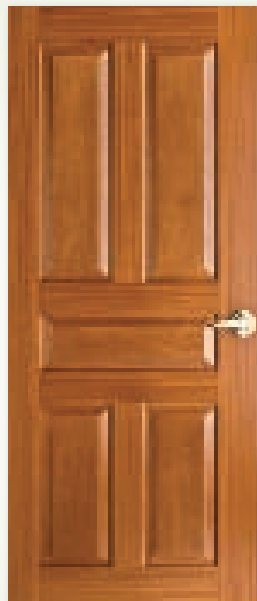
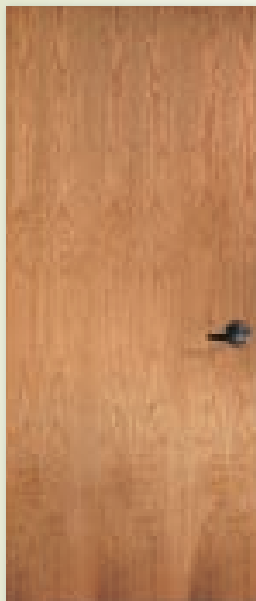
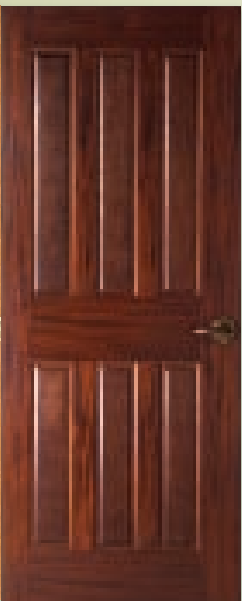
- VT sales personnel are factory trained and provide architectural consultations as part of our customer service standard.
- Call our architectural hotline for technical assistance when planning a new project, 800.827.1615 ext. 345.
- Up-to-date product, technical and specification information are always available at [www.vtindustries.com/doors](http://www.vtindustries.com/doors).



1000 INDUSTRIAL PARK  
P.O. BOX 490  
HOLSTEIN, IA 51025  
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VT INDUSTRIES | **VENEER GUIDELINES**



VT WOOD VENEERS

# PLAIN SLICED NATURAL MAPLE

## NATURAL VARIATIONS

The word natural brings to mind certain connotations like “beauty”, “warmth” and “purity”. Merriam-Webster defines natural as “occurring in conformity with the ordinary course of nature (the genetically controlled qualities of an organism): not marvelous or supernatural”.

Wood is a product of nature, and in some cases, will accentuate and enhance a project design when used in its purest, or natural, state. However, as a product of nature, each wood species has certain intrinsic and industry-acceptable characteristics, which can vary from tree to tree and flitch (half log) to flitch. It is precisely these naturally occurring variations that provide such richness and uniqueness to each project design.

Certain wood species such as natural maple, birch and ash can vary widely in color range, which is why in many cases select white is specified so that the sapwood can be accumulated and spliced together to create a consistent color. The photos and information in this brochure are designed to assist you in specifying and receiving the product you envision.



## VT WOOD VENEERS

## PLAIN SLICED SELECT WHITE MAPLE

## HOW TO SPECIFY

Natural veneers, such as maple, birch and ash, may contain sapwood/heartwood combinations, color streaks, spots and color variation from almost white to very dark, according to WDMA I.S. 1-A and AWS quality standards. No backcharges will be accepted for allowable characteristics in natural veneers. To avoid these noticeable color and grain variations, select white veneers must be specified.

## PLAIN SLICED MAPLE CHARACTERISTICS

Species	Type & Cut	Grade	Sapwood	Heartwood	Color Streaks or Spots	Color Variation	Mineral Streaks	Small Burls or Pin Knots	Cross Bars
Maple	PI-SI Natural	A	Y	Y	Y	Y	S	1 per 3 sq. ft.	S
	PI-SI White	A	Y	N	S	S	S	1 per 3 sq. ft.	S
	PI-SI Red*	A	N	Y	Y	Y	S	1 per 3 sq. ft.	S
Y = Yes    N = No    S = Slight									

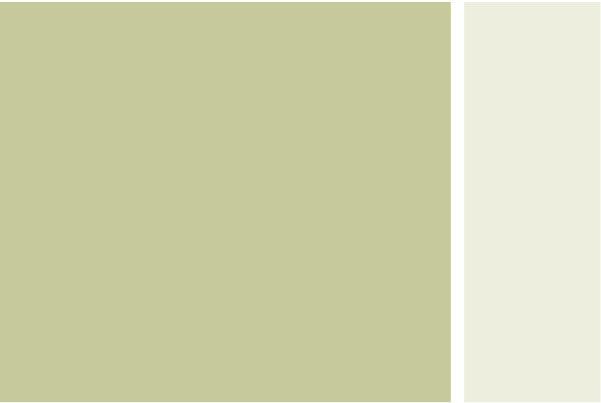
*\*Maple heartwood is so low in content that it is rarely available in sufficient quantities for commercial use. Chart information referenced from WDMA I.S. 1-A.*

## PLAIN SLICED NATURAL MAPLE CHARACTERISTICS

Species	Type & Cut	Grade	Sapwood	Heartwood	Color Streaks or Spots	Color Variation	Mineral Streaks	Small Burls or Pin Knots	Cross Bars
Maple	PI-SI Natural	AA	Y	Y	S	Y	S	1 per 5 sq. ft.	S
	PI-SI White	AA	Y	N	S	S	N	1 per 5 sq. ft.	S
	PI-SI Red*	AA	N	Y	S	Y	N	1 per 5 sq. ft.	S
Y = Yes    N = No    S = Slight									

*\*Maple heartwood is so low in content that it is rarely available in sufficient quantities for commercial use. Chart information referenced from AWS.*

# PLAIN SLICED NATURAL BIRCH



## OUR COMMITMENT TO THE ENVIRONMENT

With VT flush wood and stile & rail doors, you don't have to sacrifice beauty to protect the environment. VT Doors are manufactured in highly efficient, environmentally friendly facilities. VT Industries architectural wood doors are the only GREENGUARD Certified® wood doors available. They are also available with FSC certified materials and are listed on GreenSpec®.



### PLAIN SLICED NATURAL BIRCH CHARACTERISTICS

Species	Type & Cut	Grade	Sapwood	Heartwood	Color Streaks or Spots	Color Variation	Mineral Streaks	Small Burls or Pin Knots	Cross Bars
Birch	PI-SI Natural	A	Y	Y	Y	Y	S	1 per 3 sq. ft.	S
	PI-SI White	A	Y	N	S	S	S	1 per 3 sq. ft.	S
	PI-SI Red	A	N	Y	Y	Y	S	1 per 3 sq. ft.	S

Y = Yes    N = No    S = Slight

Chart information referenced from WDMA I.S. 1-A.

### PLAIN SLICED NATURAL BIRCH CHARACTERISTICS

Species	Type & Cut	Grade	Sapwood	Heartwood	Color Streaks or Spots	Color Variation	Mineral Streaks	Small Burls or Pin Knots	Cross Bars
Birch	PI-SI Natural	AA	Y	Y	S	Y	N	1 per 5 sq. ft.	S
	PI-SI White	AA	Y	N	S	S	N	1 per 5 sq. ft.	S
	PI-SI Red	AA	N	Y	S	Y	N	1 per 5 sq. ft.	S

Y = Yes    N = No    S = Slight

Chart information referenced from AWS.



## VT WOOD VENEERS

## PLAIN SLICED WHITE BIRCH

## HOW TO SPECIFY

Natural veneers, such as maple, birch and ash, may contain sapwood/heartwood combinations, color streaks, spots and color variation from almost white to very dark, according to WDMA I.S. 1-A and AWS quality standards. No backcharges will be accepted for allowable characteristics in natural veneers. To avoid these noticeable color and grain variations, select white veneers must be specified.

## PLAIN SLICED BIRCH CHARACTERISTICS

Species	Type & Cut	Grade	Sapwood	Heartwood	Color Streaks or Spots	Color Variation	Mineral Streaks	Small Burls or Pin Knots	Cross Bars
Birch	Pl-SI Natural	A	Y	Y	Y	Y	S	1 per 3 sq. ft.	S
	Pl-SI White	A	Y	N	S	S	S	1 per 3 sq. ft.	S
	Pl-SI Red	A	N	Y	Y	Y	S	1 per 3 sq. ft.	S

Y = Yes    N = No    S = Slight

*Chart information referenced from WDMA I.S. 1-A.*

## PLAIN SLICED BIRCH CHARACTERISTICS

Species	Type & Cut	Grade	Sapwood	Heartwood	Color Streaks or Spots	Color Variation	Mineral Streaks	Small Burls or Pin Knots	Cross Bars
Birch	Pl-SI Natural	AA	Y	Y	S	Y	N	1 per 5 sq. ft.	S
	Pl-SI White	AA	Y	N	S	S	N	1 per 5 sq. ft.	S
	Pl-SI Red	AA	N	Y	S	Y	N	1 per 5 sq. ft.	S

Y = Yes    N = No    S = Slight

*Chart information referenced from AWS.*

VT WOOD VENEERS

# WOOD COLOR VARIATIONS



## VARIATIONS AMONG SAME SPECIES

Although maple, birch and ash show the greatest contrasts in color and grain, all wood species can vary from flitch to flitch. Environmental factors such as climate and soil content can make each veneer species exhibit a range of colors and textures.

## FACTORY FINISH SAMPLES

All factory finish samples illustrate basic color, grain fill and gloss level of our finish systems. Wood is a product of nature and will vary in color and grain from tree to tree, or even within the same tree. Some doors will be lighter or darker even though they all receive the same color stain, but it's precisely those natural variations in density and texture that make wood doors so popular. For more information on our VT Color Choices, please refer to our Factory Finish brochure.

## HERITAGE COLLECTION

All samples submitted for approval use A grade book and running match veneers, unless otherwise specified.

## ARTISTRY COLLECTION

All samples submitted for approval use AA grade book and balance match veneers, unless otherwise specified.



VT WOOD VENEERS

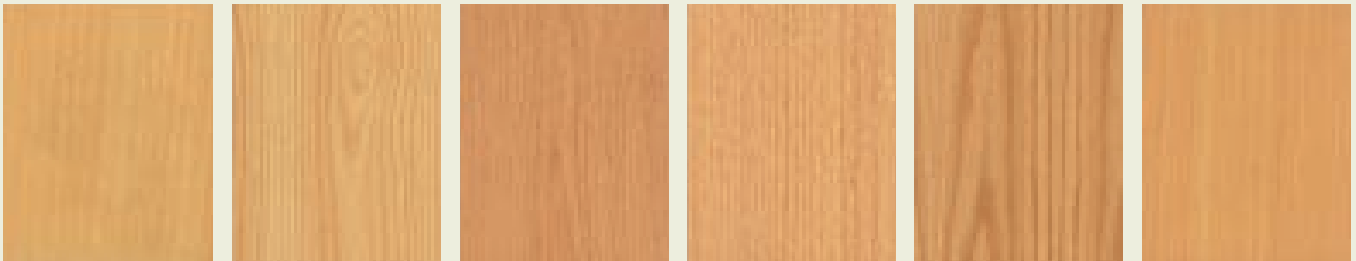
## COLOR VARIATION SAMPLES

### RANGE OF COLORS ON SAME SPECIES WITH DIFFERENT FLITCHES

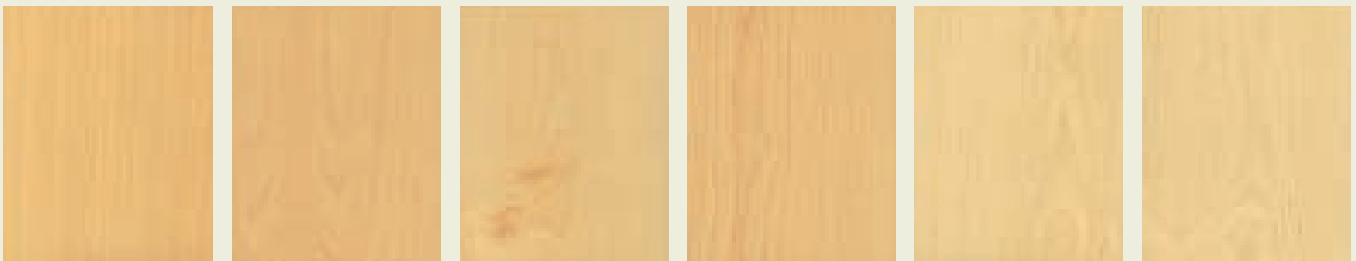
Photos below show range of wood color variation using different flitches of same species. Veneers have clear finish – no stains were added to samples.



Cherry



Red Oak



White Maple

# PREMIUM GRADE VENEERS

## WHAT IS A PREMIUM GRADE VENEER?

VT Industries has always maintained the highest quality standards as set forth by the architectural flush wood door industry – meeting or exceeding industry quality standards. The primary quality standards are 1) the Window & Door Manufacturers Association (WDMA) I.S. 1-A; 2) the Architectural Woodwork Standards (AWS) Quality Standards, sections 5 and 9.

AWS require AA grade veneers based on HPVA panel veneer grading tables. Book or slip match and balance center assembly match is required. Nominal minimum width of face components for premium grade veneers is 5" for plain sliced veneer, 3" for quarter sliced veneer, and 5" for rotary cut veneers. AWS defines premium grade veneer as "The highest grade available in both material and workmanship intended for the finest work."

WDMA's standard for premium grade doors require A grade veneers (as opposed to the optional AA grade) based on HPVA panel veneer grading tables book or slip match and running, balance, or center balance assembly match is required. Nominal minimum width of face components for premium grade veneers is 4" for plain sliced veneers, 3" for quarter sliced veneers, and 4" for rotary sliced veneers. Minimum width for optional AA grade is 5" for plain sliced veneers, 3" for quarter sliced veneers, and 5" for rotary sliced veneers.

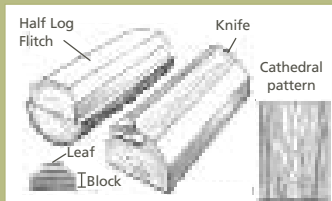


PREMIUM GRADE DOORS

	Veneer Grade	Veneer Match	Veneer Assembly	Nominal Minimum Width of Face Components
AWS	AA Grade	Book or Slip	Balance Center	Plain Sliced - 5 inches Quarter Sliced - 3 inches Rotary Sliced - 5 inches
WDMA	A Grade	Book or Slip	Running, Balance, or Center Balance	Plain Sliced - 4 inches Quarter Sliced - 3 inches Rotary Sliced - 4 inches

## VT WOOD VENEERS

## DECORATIVE VENEER CUTTING METHODS

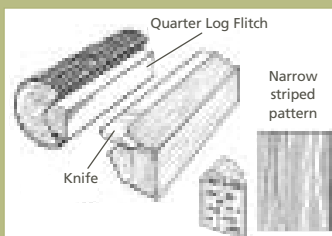


## PLAIN SLICED OR FLAT CUT (SLICER):

Leaf width depends on log size and placement in flitch. Half Round is a somewhat similar pattern achieved by turning a half log flitch on a lathe.

## PLAIN SLICED OR FLAT CUT VENEER

The half log, or flitch, is mounted with the heart side against the guide plate of the slicer. Cuts are made parallel to a line through the center of the log, producing a distinct figure. By keeping the veneer leaves in the same order in which they are cut, the leaves can be reassembled with only a very gradual grain figure transition from one panel to another.

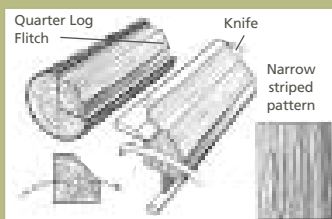


## QUARTER SLICED (SLICER):

Flake pattern is produced when slicing through medullary rays in some species, principally oak.

## QUARTER SLICED VENEER

A quarter log, or flitch, is mounted so that the slicer cuts the log at a 45° angle to the axis lines of the log, creating a striped or straight grain effect. A flake effect is produced in oak veneers using this method.



## RIFT CUT (LATHE):

Angle of cut is 15 degrees to the radial to minimize the ray (flake effect) in oak. Comb grain is the portion which has VERY tight and straight grain.

## RIFT CUT VENEER

This method is generally restricted to Red and White Oak. A quarter log is mounted off center and cut slightly across the medullary rays common to oak, resulting in a straight grain without the flake effect of quarter sliced oak.



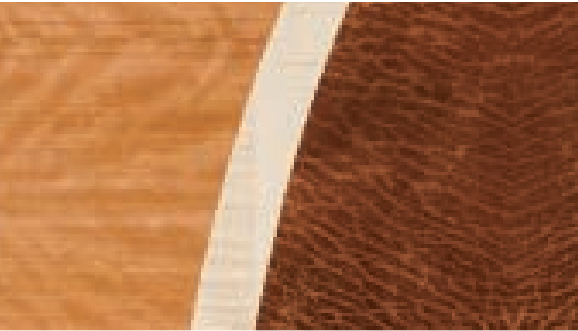
## ROTARY (LATHE):

Wide Sheets. Broad pattern. Difficult matching. Used primarily on Economy or Commercial grades.

## ROTARY CUT VENEER

A method of cutting in which the log is placed on a large lathe and turned against a fixed blade, so that a continuous cut is made round and round the log, more or less parallel at all times to the growth ring. The result is a wild, varied grain effect. Since the grain pattern is non-repetitive, it cannot be used for sequence matching.

# MATCHING OF VENEER COMPONENTS



## TYPES OF VENEER MATCH

Once the decorative veneer cutting method is specified, the type of match at the joint line must be specified. The way in which the individual cuts are placed next to each other during the fabrication of the veneer face affects the appearance of the doors.



## BOOK MATCH

Book Match is the most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding a maximum continuity of grain. Book matching is used with plain sliced, and less often with other cuts of veneer.

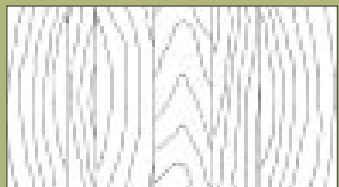
## BARBER POLE EFFECT IN BOOK MATCH

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain or reflect light differently, resulting in a noticeable color variation, often called "barber pole". These variations are not considered a manufacturing defect.



## SLIP MATCH

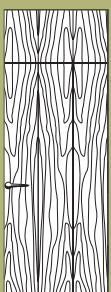
Slip Match is the adjoining of veneer components in sequence without turning over every other piece. The grain figure repeats, but joints won't show a mirrored effect. Slip matching is often used in quarter cut, rift cut and comb grain veneers to minimize the barber pole effect.



## RANDOM MATCH

A random selection of veneer components from one or more logs. This produces a "board-like" appearance.

End Match



Continuous Match



## END MATCH

The End Match is generally selected for doors with transoms. This match utilizes a single piece of veneer that runs from the bottom to the top of the door. At the transom, a mirror image is created by turning the veneer at the joint.

## CONTINUOUS MATCH

Continuous Match is when a single piece of veneer is utilized for both the face of the door and the transom.

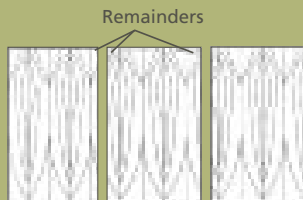
## VT WOOD VENEERS

## ASSEMBLY OF VENEER COMPONENTS



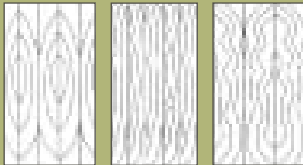
## TYPES OF ASSEMBLY MATCH

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.



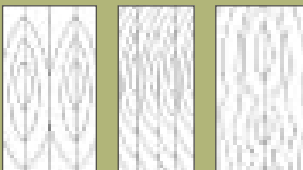
## RUNNING MATCH

Non-symmetrical appearance on any single door face. Veneer pieces of unequal width are common. Each face is assembled from as many veneer pieces as necessary.



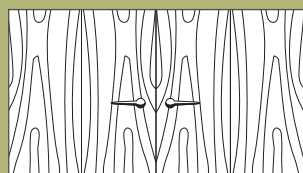
## BALANCE MATCH

Symmetrical appearance. Each face is assembled from an even or odd number of pieces of uniform width before trimming. This match reduces veneer yield.



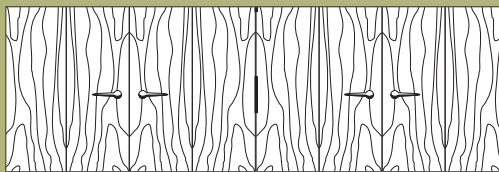
## CENTER BALANCE MATCH

Symmetrical appearance. Each face is assembled from an even number of veneer pieces of uniform width before trimming. Thus, there is a veneer joint in the center of the panel. This match further reduces veneer yield.



## PAIR MATCH

Pair match describes the way in which leaves of veneer are assembled for a pair of doors or a series of door pairs in the immediate vicinity.



## SET MATCH

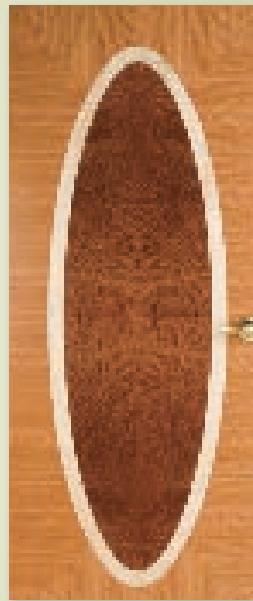
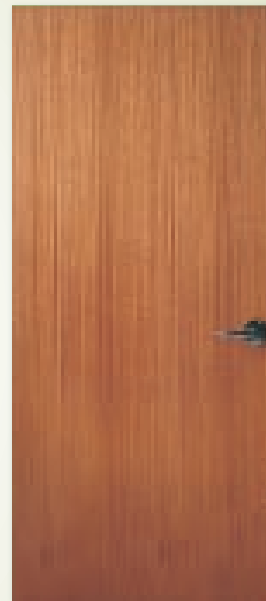
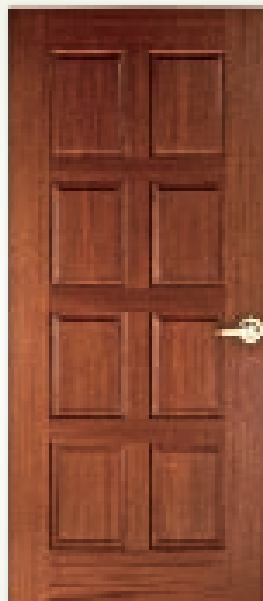
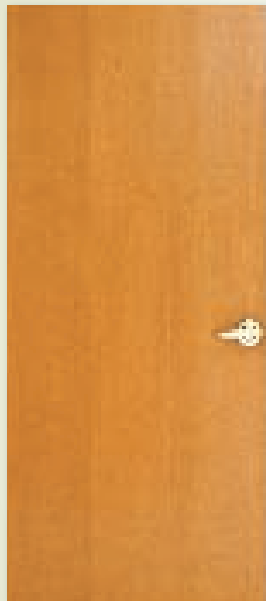
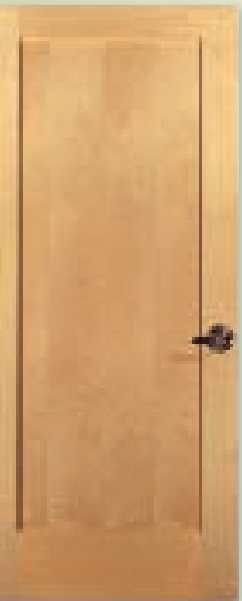
Set match describes the way in which the leaves of veneer are assembled for sets of doors hung adjacently.

## BLUEPRINT MATCHED PANELS AND COMPONENTS

Manufactured to the exact sizes the manufacturer determines from the blueprints, clipping and matching each individual face to the project's specific needs. Each face will be matched in sequence with adjacent panels, doors, transoms, and cabinet faces as needed to provide for continuity. Unless specified, running match is standard.

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WWW.VTINDUSTRIES.COM/DOORS







# VTsmartdoor™

PROVIDING EFFICIENT AND  
RELIABLE FIRE DOOR INSPECTION



## FAST AND ACCURATE INSPECTIONS

Whether a commercial building is one or 45 stories tall, the safety of its occupants is of the utmost importance. That's why the National Fire Protection Association has issued a list of standards for fire-rated doors and other materials.

Initiated in 2008, the NFPA now requires all fire doors be inspected on an annual basis. What's more, written records of each inspection must be maintained in order to comply.

This process can take a lot of time and effort — unless you have a VTsmartdoor.™ Using industry-leading technology, VT Industries makes the entire inspection process quick and easy. With barcodes placed on every fire-rated door, inspectors merely scan the door and all information will be captured and ready to save in a digital format.

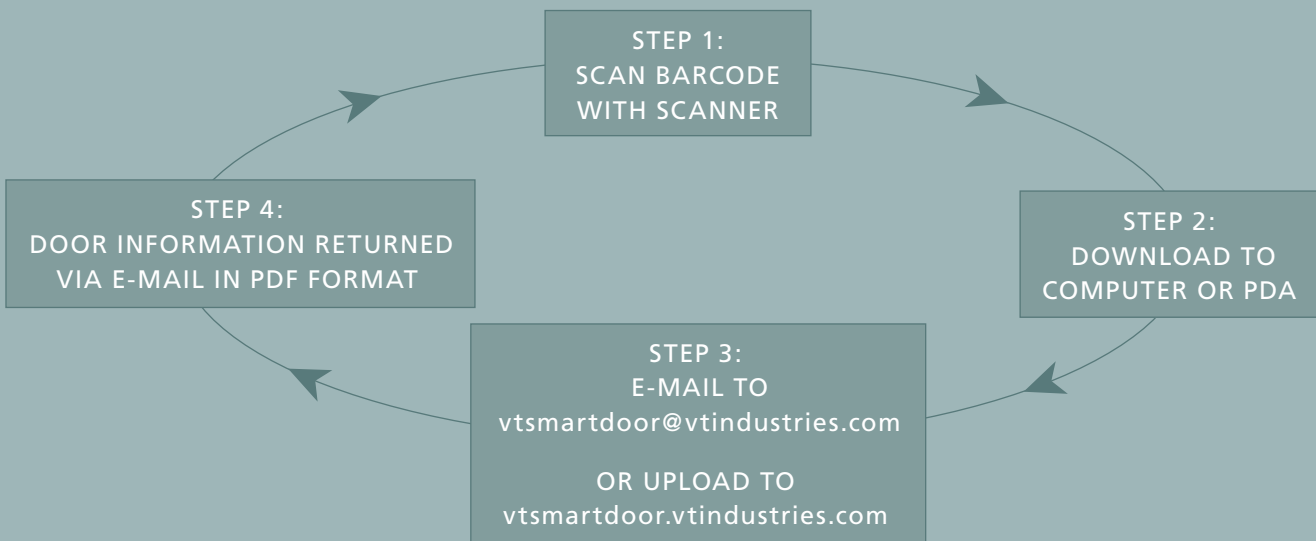


# HOW IT WORKS

Before they even leave our factory, a fire rating label with barcode is placed on the hinge stile of each door. This code is easy to access and tells inspectors the exact specifications of the door, including fire rating, machining, veneer, finish, manufacture date, door number and more. This gives the inspector all the information he or she needs in a matter of seconds.

The added bonus — this data can either be e-mailed or uploaded to our website. So if you ever need to replace or order more doors of the same specification, all the information you need is accessible in a matter of seconds.

## THE ENTIRE PROCESS TAKES ONLY A FEW STEPS:



### STEP 1:

Scan the barcode located on the hinge stile of the door. All of the information is automatically saved in the scanner.

### STEP 2:

Connect the scanner to a computer using the provided cable. Or, transfer the data wirelessly to your computer or Smartphone using Bluetooth technology.

### STEP 3:

E-mail an Excel file of the data to [vtsmartdoor@vtindustries.com](mailto:vtsmartdoor@vtindustries.com) or upload the file to [vtsmartdoor.vtindustries.com](http://vtsmartdoor.vtindustries.com).

### STEP 4:

All the door's data will be retrieved in a matter of seconds.

## KEY FACTS

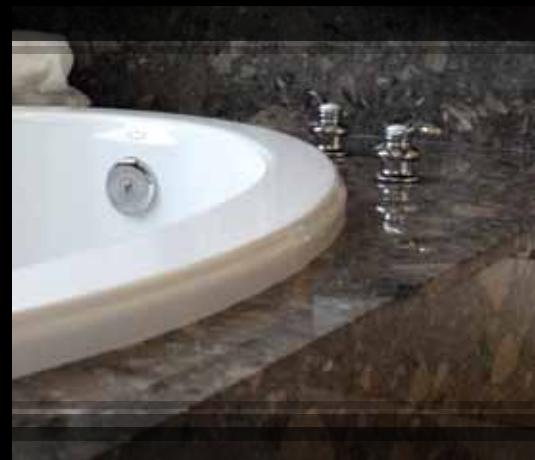
- Inspector training and criteria are developed by DHI.
- VT will assist in inspector training.
- Using a computer or handheld device, door information can be e-mailed to [vtsmartdoor@vtindustries.com](mailto:vtsmartdoor@vtindustries.com) or uploaded and stored at [vtsmartdoor.vtindustries.com](http://vtsmartdoor.vtindustries.com).

For more information or to locate a local VT CORE Distributor visit [www.vtindustries.com](http://www.vtindustries.com).

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OPULENCE HAS NEVER BEEN MORE RESPONSIBLE



**MARBLESTONE™**



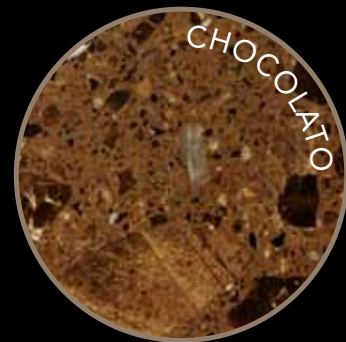
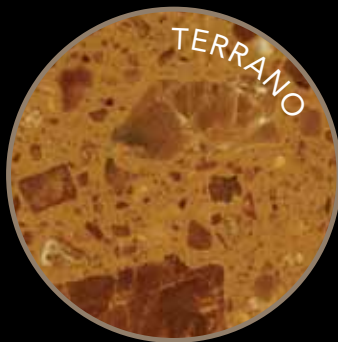
MARBLESTONE™

## A REMARKABLY BETTER MARBLE.

Stylishly smooth. Elegantly contoured. Distinguished by natural irregularities. The beauty of real marble adds a level of sophistication that few other materials can match. The only trouble is, marble also poses real performance issues due to its porosity and delicate composition. But now there's something better. Remarkably better.



### AMORE COLLECTION





Marblestone™ is recycled natural marble that has been crushed, pressed, heated, and bonded with a very small amount of resin. The result is a material that retains all the beauty of marble, while offering the performance of a durable composite. Marblestone is less pervious to moisture and more resistant to scratches and stains than quarried or cultured marble. It is also a low-maintenance product.



With its superior performance characteristics, Marblestone is ideal for a wide array of bathroom applications, including shower walls, countertops, and tub surrounds.

## TRADITIONAL COLLECTION



EMPADORO



TERRACOTTA



IVORY



BEIGE



## AN ENVIRONMENTALLY RESPONSIBLE CHOICE.

When you choose Marblestone, you'll enjoy peace of mind knowing that it's a green material with a compelling sustainability story. Marblestone is made from materials that are discarded during the quarrying of natural marble. The reclaimed pieces of marble are reformulated into the beautiful and extremely durable material that is Marblestone. Opulence has never been more responsible.



Contact your local VT representative for more information.

Call us at 1.800.872.7457 (ext. 230)

[VTStoneSurfaces.com](http://VTStoneSurfaces.com)







## A REMARKABLY BETTER MARBLE.

Marblestone™ is recycled natural marble that has been crushed, pressed, heated, and bonded with a very small amount of resin. The result is a material that retains all the beauty of marble, while offering the performance of a durable composite. Marblestone is less pervious to moisture and more resistant to scratches and stains than quarried or cultured marble. It is also a low-maintenance product that requires no special cleaning or polishing.

With its superior performance, Marblestone is ideal for a wide array of applications.

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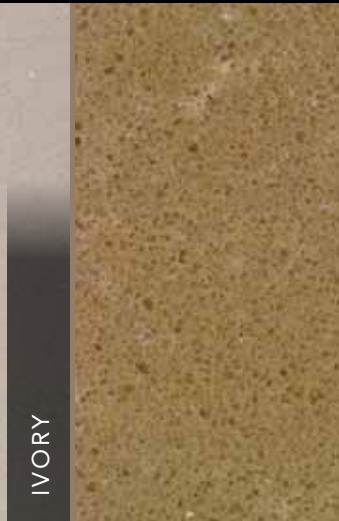
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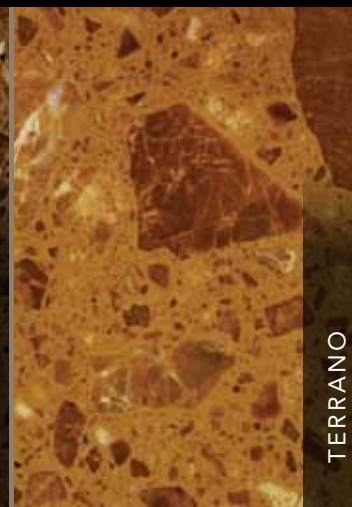
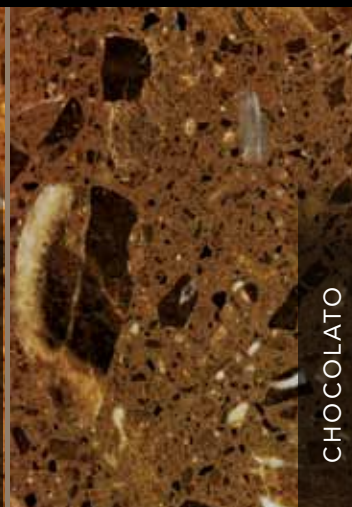
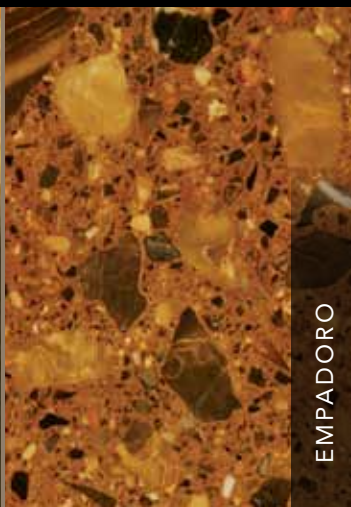
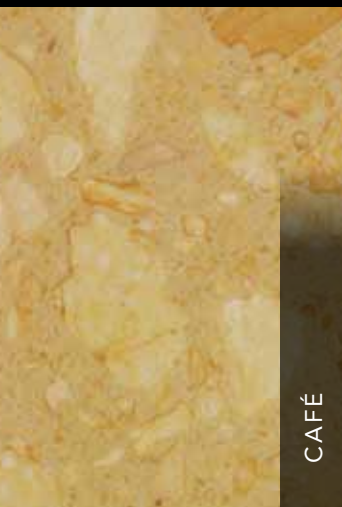
TRADITIONAL COLLECTION



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CAFÉ

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TERRANO

TERRACOTTA

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